

TECHNICON DESIGN GROUP INC.

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DATE: OCTOBER 4, 2018

PROJECT NUMBER: 72-2351-17

PROJECT NAME: HEALTH PARTNER OF WESTERN OHIO - TIFFIN COMMUNITY HEALTH CENTER

INTENT:

This Addendum provides modifications and clarifications To the Bid Documents dated <u>08/23/2018</u>. Bidder shall ascertain prior to submitting its Bid Form that it has received all Addenda issued and shall acknowledge receipt of each Addendum on the Bid Form.

In the event of a conflict between the terms and provisions of this Addendum and the terms and provisions of the Bidding Documents, the terms and provisions of this Addendum shall control. In all other respects, the Bidding Documents shall remain unchanged and in full force and effect.

	ADD	CD			
ITEM	DOCUMENT	REFERENCE	DESCRIPTION		
GENERA	L:				
1	DENTAL EQUIPMENT DRAWINGS		For reference use only, the dental equipment drawings (by others) are included with this addendum.		
SPECIFIC	ATIONS:				
2			2.3.2 DELETE in its entirety and INSERT 2. Species: Natural Birch. 2.3.3 DELETE in its entirety and INSERT 3. Cut: Rotary		
SITE:					
3		S/2	Domestic Water Service Pipe is $1\ 1/2$ " dia. as noted on sheet S/2, Lettered Notes W1. Coordinate with AQUA. Domestic Water Service pipe can be CTS-plastic. The meter pit can be A.Y. McDonald, able to accommodate a $1\ 1/2$ " Neptune meter. Coordinate with AQUA.		
4		All Site Plans	All references to GARAGE shall be changed to SHED.		
STRUCTU	RAL:				
5		\$101	Keynote #4 should read 2x6 outriggers at 16" o.c.		
6	S501a Sketch	\$501	Concrete Design Matrix has been added to sheet. (See attached Matrix.)		
ARCHITE	CTURAL:				
7		D101	The M.C. shall remove existing RTU HVAC systems and components as noted by Floor Plan Note D1 on sheet M200. The G.C. shall remove the existing roof curbs and cover the remaining openings as required to keep building weather tight.		

8		D101	The G.C. shall remove the remaining \pm 5'x4'-4" area of floor tile at the end of the northwest wing (Unit 3).
9		D101	The G.C. shall remove the remaining of \pm 7'x5'-6" section of carpet at the top landing of the basement stair.
10		A101	Keynote #19, Thermax rigid insulation to be 2" thick.
11		A301	Wall Sections 4, 7, 8, 9 & 10, Thermax rigid insulation to be 2" thick from bottom of floor deck to crawl space ground level.
12	A401a Sketch	A401	Revise 7'-1" to 7'-5" for Vest. 101. See attached sketch A401.
13		A601	Revise Solid Core Wood Doors from Masonite Architectural "Aspiro" series, Cherry, Plain Sliced to Masonite Door "Cendura" series, Wood Species: Natural Birch, Rotary Cut, Factory Finish: Toast, reference door types E and M.
14		1101	Finish Materials Legend, Item DR1 Wood Doors/Masonite Architectural Pattern/Type: Change "Aspiro" Series to "Cendura" Series. Color/Style: Change Cherry, Plain Sliced-Honey to Natural Birch , Rotary Cut-Toast .
MECHAN	IICAL/PLUMBIN	G:	
15		P102	Plumbing Specifications 2.03 Piping, I. & J. Add: Dental Vacuum and air are considered as Level 3 medical gases per the State of Ohio. These Lines must be installed by a medical plumbing contractor and must be inspected by an Ohio State Medical Gas inspector upon roughin and completion.
16		M101	Question: 1.0 A: Calls for an interface to BAS. Which of the following is acceptable? 1. Operator interface that is capable of interfacing with and scheduling the (3) RTUs and the VVT zones that is <u>not</u> web-based. OR 2. Web-based Supervisory Controller system that will communicate to the DDC controllers via BACnet protocol. Answer: 1. Operator interface that is capable of interfacing with and scheduling the (3) RTUs and the VVT zones that is not web-based.
17		M200	Floor Plan Notes D1: The M.C. shall perform work indicated under Floor Plan Note D1. The M.C. shall leave the existing roof curbs in place. Roof curbs shall be removed by the G.C. per Item #7 of this addenda.
18		M400	Mechanical Specifications Section 1.15, Demolition, Removals, Clean-Up and Touch-Up Add: I. This contractor shall be responsible for securely anchoring all roof mounted equipment to roof curb/steel support structure. Comply with all Local and State Code requirements. All roof curbs supporting equipment shall be secured to roof structure and all roof mounted equipment shall be secured or strapped to curb/steel support structure.

19		M400	Mechanical Specifications Section 2.02 Ductwork & Accessories Part D: In lieu of "spiral lockseam" duct, substitute "longitudinal seams" for all round ductwork fabrication.
20		M400	Mechanical Specifications Section 3.05 Power Ventilators, Part B Manufacturers Add: Johnson Controls/Penn-Barry as acceptable manufacturers.
21		M400	Mechanical Specifications Section 3.08 VVT Dampers, Part A Add: Johnson Controls as an acceptable manufacturer.
ELECTRIC	CAL:		
22	E100 09-27-18 ADDENDUM 02		PLAN SYMBOL LEGEND: Receptacle descriptions have been revised to require <u>all</u> receptacles to be Tamper-Resistant. See revised drawing sheet.
23	E300 09-27-18 ADDENDUM 02		Added circuit numbers to basement light fixtures. See revised drawings sheet.
24	E401 09-27-18 ADDENDUM 02		Remove "TR" (Tamper-Resistant) designation from receptacles in Waiting 102. <u>All</u> receptacles will now be Tamper-Resistant per revisions to Plan Symbol Legend on sheet E100. See revised drawing sheet.
25	E401, E402, E403 09-27-18 ADDENDUM 02		Refer to sheet M400 Mechanical Specifications, Part 3.04, D, Accessories, Item #6: Provide power for unit mounted, factory wired GFCI, receptacles as required.
26	E401, E402, E403 09-27-18 ADDENDUM 02		FLOOR PLAN NOTES: Note #1; Revise 517.3 to 517.13. See revised drawing sheet.
27	E500 09-27-18 ADDENDUM 02		Added basement lighting circuits to Panel LRP:B panel schedule. See revised drawing sheet.

END OF ADDENDUM 02

PREPARED FOR:

HEALTH PARTNERS OF OHIO - TIFFIN

GENERAL NOTES & CONDITIONS (ALL TRADES)

DEFINITIONS

HENRY SCHEIN, HENRY SCHEIN INC., HENRY SCHEIN DENTAL, OR HSD INC. REFERS TO THE EQUIPMENT SUPPLIER FOR THIS PROJECT ENGAGED BY THE OWNER UNDER A SEPARATE CONTRACT.

ESS - "EQUIPMENT SALES SPECIALIST/EQUIPMENT TECHNOLOGY SPECIALIST" IS A HENRY SCHEIN EMPLOYEE THAT SPECIALIZES IN THE MANAGEMENT OF EQUIPMENT AND/OR TECHNOLOGY SALES AND INSTALLATIONS AND HAS ASSISTED THE OWNER IN THE PREPARATION OF DRAWINGS AND SPECIFICATIONS FOR THE CONSTRUCTION OF THE PROPOSED FACILITIES.

THE "GENERAL CONTRACTOR", ALSO KNOWN AS THE 'GC' IS REFERRED TO AS THE PERSON(S) OR ENTITY WHO HAS ENTERED INTO A CONTRACTUAL AGREEMENT WITH THE OWNER FOR THE WORK DEFINED IN SUCH AGREEMENT. THE GC IS RESPONSIBLE FOR ALL WORK CARRIED OUT BY THEIR SUBCONTRACTORS OR SUBTRADES. IF THE CONSTRUCTION OF THE PROJECT IS LET UNDER SEPARATE CONTRACTS BY THE OWNER, THE RESPONSIBILITIES STIPULATED BELOW SHALL APPLY TO EACH CONTRACTOR.

THE "OWNER" IS REFERRED TO AS THE PERSON(S) OR ENTITY WHO OWNS OR LEASES THE PREMISES FOR WHICH A CONSTRUCTION AGREEMENT HAS BEEN ENTERED UPON WITH THE GENERAL CONTRACTOR. WHERE THE OWNER, AS REFERRED TO ABOVE, LEASES THE PREMISES THE ENTITY WHO HAS OWNERSHIP OF THE PROPERTY WILL BE REFERRED TO AS THE LANDLORD.

THE "OWNER'S AGENT" IS A REPRESENTATIVE OF THE AGENT ACTING ON THEIR BEHALF AND MAY HAVE THE AUTHORITY TO MAKE DECISIONS IN THEIR ABSENCE. THIS MAY BE AN OFFICE MANAGER, AN ARCHITECT, AN ENGINEER, OR A PROJECT MANAGER HIRED BY THE OWNER

2. DRAWINGS

THESE DRAWINGS ARE PREPARED BY HENRY SCHEIN AS DENTAL CONSULTANTS FOR ASSISTING A CONTRACTOR TO BUILD A DENTAL OFFICE AND DO NOT CONSTITUTE A COMPLETE SET OF CONSTRUCTION DOCUMENTS. SOME ITEMS REQUIRED FOR BUILDING PERMITS OR CONSTRUCTION MAY NOT APPEAR ON THESE ARCHITECTURAL PLANS. IF THESE DRAWINGS ARE BEING SUBMITTED FOR BUILDING PERMIT, IT REMAINS THE OWNERS OR GENERAL CONTRACTORS RESPONSIBILITY RETAIN THE PROPER CONSULTANTS TO PREPARE COMPLETE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.

DOOR SPECIFICATIONS, LIGHTING DESIGN, FINAL REFLECTED CEILING PLANS, AND OTHER SPECIFICATIONS NOT COVERED IN THIS DESIGN PACKAGE ARE TO BE BY OTHERS.

RETENTION OF OTHER CONSULTANTS, SUCH AS AN ARCHITECT, ELECTRICAL ENGINEER, MECHANICAL ENGINEER, STRUCTURAL ENGINEER, OR SECURITY CONSULTANT, ARE THE RESPONSIBILITY OF THE OWNER OR GENERAL CONTRACTOR.

3. HENRY SCHEIN RESPONSIBILITIES

HENRY SCHEIN DENTAL WILL ISSUE DETAIL DRAWINGS SHOWING CRITICAL LOCATIONS OF ALL DENTAL AND ALLIED EQUIPMENT. THE ESS WILL BE AVAILABLE FOR PERIODIC FIELD VISITS. VISITS WILL BE LIMITED TO A PRE-CONSTRUCTION ON-SITE MEETING, LAYOUT CHECKS AND INSTRUCTIONS TO THE VARIOUS TRADES IN THE CRITICAL ASPECTS OF THE WORK PERTAINING TO DENTAL AND ALLIED EQUIPMENT. ALL REQUESTS FOR FIELD VISITS SHALL ALLOW REASONABLE ADVANCED NOTICE. HENRY SCHEIN INC. AND ITS REPRESENTATIVES WILL NOT ASSUME ANY RESPONSIBILITIES FOR DEVIATIONS FROM DETAIL DRAWINGS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN ENDORSEMENT.

PRIOR TO CONSTRUCTION, THE ESS WILL VERIFY THE SITE DIMENSIONS OF THE SPACE PRIOR TO ENSURE THEY COINCIDE WITH THE DESIGN DRAWINGS. DURING CONSTRUCTION, THE ESS WILL CHECK THE JOBSITE PERIODICALLY AS REQUIRED. THE ESS WILL BE AVAILABLE TO ASSIST THE CONTRACTOR(S) AND THE OWNER IN THE INTERPRETATION OF THESE DRAWINGS AND SPECIFICATIONS. PRIOR TO ENCLOSING WALLS, THE GENERAL CONTRACTOR AND/OR THE FRAMING SUBCONTRACTOR IS REQUIRED TO COORDINATE WITH THE ESS AND THE HENRY SCHEIN INSTALLATION TECHNICIAN. THIS INSPECTION IS CRITICAL TO ENSURE THAT THE WALL AND/OR CEILING SUPPORTS FOR DENTAL EQUIPMENT WILL MATCH WITH ANY CHANGES THAT MAY HAVE OCCURRED WITH THE OWNER'S EQUIPMENT ORDER. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE PLUMBING, ELECTRICAL, SUPPORT BACKING, AND LEAD INSTALLATION APPROVED BY MUNICIPAL INSPECTORS BEFORE POURING SLABS, ENCLOSING PARTITIONS AND CEILING.

HENRY SCHEIN WILL NOT BE RESPONSIBLE FOR ANY UNFORESEEN CONDITIONS ARISING OUT OF, OR DURING THE COURSE OF, CONSTRUCTION NOR FOR ANY DEVIATIONS FROM DRAWINGS AND/OR SPECIFICATIONS WITHOUT THEIR WRITTEN ENDORSEMENT.

EQUIPMENT INSTALLATION

A PRE-CONSTRUCTION MEETING IS REQUIRED WITH THE GENERAL CONTRACTOR, PLUMBER, ELECTRICIAN, CABINET MAKER, AND THE ESS. ALL TEMPLATES CRITICAL TO EQUIPMENT INSTALLATION WILL BE DISTRIBUTED AT THIS MEETING.

THE ESS WILL INSPECT PREMISES PRIOR TO THE INSTALLATION OF ITS EQUIPMENT AT WHICH TIME ALL FINISHES (CEILINGS, FLOORING, AND PAINTING) AND MECHANICAL WORK MUST BE COMPLETED. RESPONSIBILITIES FOR THE INSTALLATION AND/OR HOOKUP OF DENTAL EQUIPMENT WILL BE DEFINED IN THE SPECIFICATIONS FOR EACH TRADE. HENRY SCHEIN DENTAL REQUIRES THAT ALL APPLICABLE TRADES BE REPRESENTED AT THE TIME OF INSTALLATION.

4. GENERAL CONTRACTOR (GC) - RESPONSIBILITIES

ALL ITEMS LISTED OR NOTED HEREIN ARE FOR GUIDANCE ONLY AND DO NOT NECESSARILY CONSTITUTE THE ENTIRE EXTENT OF THE WORK TO BE CARRIED OUT UNDER THE CONTRACT. THE GENERAL CONTRACTOR IS RESPONSIBLE TO DEFINE AND PROVIDE ALL THE WORK REQUIRED TO COMPLETE THIS PROJECT TO THE TRUE INTENT OF THE CONTRACT WHETHER OR NOT IT IS SPECIFICALLY SHOWN OR SPECIFIED. WHERE THESE DOCUMENTS DO NOT PROVIDE ALL THE INFORMATION NECESSARY FOR THE COMPLETE INSTALLATION OF ANY ITEM, THEN THE MANUFACTURER'S INSTRUCTIONS FOR THE ITEM SHALL BE STRICTLY FOLLOWED.

THE GENERAL CONTRACTOR SHALL, SUPPLY AND INSTALL ALL ITEMS, ARTICLES, MATERIALS, INCLUDE ALL LABOR, EQUIPMENT AND TOOLS NECESSARY TO COMPLETE THIS PROJECT AND ALL SYSTEMS SHOWN. TEST AND VERIFY ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT AND INSTRUCT THE OWNER OR OWNER'S AGENT IN THE OPERATION OF THE EQUIPMENT.

THE GC SHALL THOROUGHLY FAMILIARIZE HIM/HERSELF WITH THE DRAWINGS, SPECIFICATIONS, AND CONDITIONS COVERING THIS JOB. THE GC SHALL ADVISE THE OWNER AND THE ESS OF ANY CONFLICT BETWEEN THESE DRAWINGS AND THE FIELD CONDITIONS BEFORE PROCEEDING WITH THE WORK.

THE GC SHALL COMPLY WITH ALL STATE AND MUNICIPAL LAWS, ORDINANCES, RULES, AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION. ALL WORK MUST MEET OR EXCEED THE CURRENT BUILDING CODE UNDER THE JURISDICTION FOR WHICH THIS PROJECT IS LOCATED. THE GC SHALL FILE ALL NECESSARY APPLICATIONS AND OBTAIN AND PAY FOR ALL PERMITS, AND CERTIFICATES OF APPROVAL PERTAINING TO THE CONSTRUCTION OF THE PREMISES, INCLUDING THE FINAL INSPECTION FOR OCCUPANCY PERMIT, UNLESS OTHERWISE STATED. PERMITS OBTAINED SHALL INCLUDE THE CONNECTIONS TO ALL DENTAL EQUIPMENT AND FIXTURES WHICH ARE TO BE COMPLETED BY THE GENERAL CONTRACTOR. HVAC, SPRINKLER DRAWINGS, CORRESPONDING SPECIFICATIONS OR ANY OTHER DRAWINGS AND SPECIFICATIONS THAT MAY BE REQUIRED FOR LICENSES AND PERMITS ARE TO BE PROVIDED BY OTHERS. HENRY SCHEIN INC. WILL NOT PROVIDE OR PAY FOR THESE SERVICES OR ANY OTHER DRAWINGS AND SPECIFICATIONS THAT MAY BE REQUIRED FOR LICENSES AND PERMITS.

ALL MEASUREMENTS SHALL BE CHECKED AT THE JOB SITE. THE GENERAL CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR THE ACCURACY OF FIELD MEASUREMENTS AND CONDITIONS. THEY ARE ALSO RESPONSIBLE FOR THE PROPER MODIFICATIONS TO ANY EXISTING, OR PREVIOUSLY INSTALLED WORK. WRITTEN APPROVAL MUST BE OBTAINED FROM THE ESS BEFORE ANY CHANGES AND/OR DEVIATIONS FROM DRAWINGS AND SPECIFICATIONS ARE MADE.

THE GC SHALL ASSUME <u>FULL</u> RESPONSIBILITY FOR THE EXECUTION OF HIS/HER WORK AND FOR ANY CHANGES AND/OR DEVIATIONS FROM DRAWINGS OR SPECIFICATIONS MADE WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER AND/OR THE ESS. THE COST OF CORRECTIONS RESULTING FROM CHANGES AND/OR DEVIATIONS SHALL BE BORNE BY THE GENERAL CONTRACTOR.

A COMPLETE SET OF DRAWINGS MUST BE KEPT AT THE JOB SITE AT ALL TIMES AND ANY CHANGES MUST BE NOTED THEREON AND INITIALED.

THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND THE OWNER'S AGENT FROM AND AGAINST ALL CLAIMS FOR DAMAGE TO PERSON AND/OR PROPERTY SUFFERED AS A RESULT OF THE PERFORMANCE OF WORK, WHETHER OR NOT, CAUSED BY NEGLIGENCE, AND PAY ANY EXPENSES (INCLUDING, WITHOUT LIMITATIONS, ATTORNEY'S FEES, AND DISBURSEMENTS) INCURRED IN THE CONNECTION THEREWITH.

OTHER REQUIREMENTS

THE GC SHALL PARTICIPATE AT JOB COORDINATION MEETINGS WITH HENRY SCHEIN DENTAL AND ENSURE ATTENDANCE OF THE APPROPRIATE TRADES.

ALL TRADES SHALL DO THEIR OWN CUTTING. THE GENERAL CONTRACTOR SHALL DO ALL PATCHING TO CONFORM TO MATERIAL, TEXTURE, AND SURFACE ALIGNMENT WITH THE ADJOINING SURFACE AND FINAL TOUCH UP OF ALL FINISHED SURFACES.

THE GENERAL CONTRACTOR SHALL ENSURE THE PROTECTION OF ALL EQUIPMENT FURNISHED UNDER HIS/HER CONTRACT AND BY OTHERS.

THE GC SHALL REVIEW ALL CUSTOM CABINETRY, SUCH AT THE RECEPTION DESK, TECH STATIONS, LABORATORY, AND STERILIZATION, WITH THE ESS FOR ANY DENTAL IMPLEMENTATION.

THE GC SHALL REMOVE ANY RUBBISH FROM THE CONSTRUCTION SITE AND ENSURE THAT ALL PUBLIC SPACES ARE FREE OF CONSTRUCTION MATERIALS AND DEBRIS THROUGHOUT THE DURATION OF THE CONTRACT. THE GC IS RESPONSIBLE FOR THE TOTAL CLEAN UP OF THE JOB SITE UPON COMPLETION OF THEIR WORK.

THE GENERAL CONTRACTOR SHALL ISSUE A WRITTEN ONE-YEAR WARRANTY CERTIFICATE ON ALL WORKMANSHIP AND MATERIALS FROM THE DATE OF OCCUPANCY, UNLESS NOTED OTHERWISE IN THE CONSTRUCTION AGREEMENT BETWEEN THE OWNER AND THE GC. THIS CERTIFICATE SHALL BIND THE GENERAL CONTRACTOR TO PROMPTLY CORRECT, REPAIR, OR REPLACE, ANY DEFECTIVE EQUIPMENT OR WORKMANSHIP THAT WAS THE RESPONSIBILITY OF THE GC, WITHOUT COST TO THE OWNER.

SEPARATE CONTRACTS BY OWNER

THE OWNER RESERVES THE RIGHT TO PERFORM WORK RELATED TO THE PROJECT WITH HIS/HER OWN FORCES, AND TO AWARD SEPARATE CONTRACTS IN CONNECTION WITH OTHER PORTIONS OF THE PROJECT OR ON OTHER WORK ON THE SITE UNDER THESE OR SIMILAR CONDITIONS OF CONTRACT. IF THE GENERAL CONTRACTOR CLAIMS THAT DELAY OR ADDITIONAL COST IS INVOLVED BECAUSE OF SUCH ACTION BY THE OWNER, THE GC MUST ENSURE THAT THEIR CLAIM WAS ORIGINALLY PART OF THEIR CONTRACT AGREEMENT.

THE GC SHALL AFFORD THE OWNER AND SEPARATE CONTRACTORS REASONABLE
OPPORTUNITY FOR THE INTRODUCTION AND STORAGE OF THEIR MATERIALS AND EQUIPMENT
AND THE EXECUTION OF THEIR WORK. THE GC SHALL CONNECT AND COORDINATE THEIR
WORK WITH OTHERS AS REQUIRED BY THE CONTRACT DOCUMENTS. ANY COSTS CAUSED BY
DEFECTIVE AND/OR ILL-TIME WORK SHALL BE BORNE BY THE PARTY RESPONSIBLE.

SEE OWNER OR OWNER'S AGENT FOR NON-DENTAL ITEMS AND AREAS NOT DETAILED IN THESE CONTRACT DOCUMENTS (SUCH AS RECEPTION, BUSINESS AREA, OFFICES, STAFF ROOM, STORAGE ROOMS, OFFICE-WIDE SOUND SYSTEMS, CONTROLS, ETC...).

GENERAL NOTE

- THESE DESIGN DRAWINGS AND SPECIFICATIONS HAVE BEEN PRODUCED FOR THIS SPECIFIC PROJECT ONLY, AND SHALL REMAIN THE EXCLUSIVE PROPERTY OF HENRY SCHEIN INC. THESE DESIGN DRAWINGS AND SPECIFICATIONS MAY NOT BE REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT EXPRESSED WRITTEN CONSENT AND FULL PAYMENT OF ANY ASSOCIATED FEES TO HENRY SCHEIN INC.
- 2. ALL COMMUNICATIONS AND COORDINATION WITH TRADES SHALL BE THE RESPONSIBILITY OF THE GC UNLESS STATED OTHERWISE IN THE CONTRACT AGREEMENT.
- THE GC MUST SIGN THIS SHEET STIPULATING THAT HE/SHE UNDERSTANDS AND WILL COMPLY WITH ALL SPECIFICATIONS BEFORE THE WORK WILL START. A SIGNED COPY OF THE PLANS ARE TO BE RETURNED TO THE OWNER AND HENRY SCHEIN DENTAL.
- 4. IT IS THE RESPONSIBILITY OF A SUBCONTRACTOR TO READ AND UNDERSTAND ALL NOTES AND ILLUSTRATIONS PERTAINING TO THEIR TRADE AND HOW THEIR WORK AFFECTS OTHER TRADES.
- 5. THE SUPPLY AND INSTALL OF THE CABINETS AND COUNTERTOPS, OTHER THAN THOSE SPECIFIED AND/OR CONTRACTED BY HENRY SCHEIN DENTAL, IS THE RESPONSIBILITY OF THE GC.
- 6. THE OWNER SHALL MAKE ARRANGEMENTS FOR INSTALLATION OF NON-DENTAL SYSTEMS UNDER A SEPARATE CONTRACT BEFORE WALLS ARE ENCLOSED.
- 7. ROUGH-IN AND FINISH WORK FOR DENTAL EQUIPMENT IS TO BE ACCORDING TO TEMPLATES FURNISHED BY THE MANUFACTURERS OF EQUIPMENT BEING INSTALLED. THE ESS WILL POSITION THE TEMPLATES IN THEIR PROPER LOCATIONS, AT WHICH TIME ALL SPECIFICATIONS ON THE PLANS WILL BE EXPLAINED TO THE GENERAL CONTRACTOR OR SUBCONTRACTOR(S). ALL SPECIFIED SIZES OF PIPES, TUBING, FITTINGS, ETC., AS WELL AS PROPER HEIGHTS MARKED, MUST BE STRICTLY FOLLOWED. ANY DEVIATIONS ON SIZES OR HEIGHTS OF PIPES, TUBING, AND/OR FITTINGS MUST BE CORRECTED BEFORE THE EQUIPMENT CAN BE INSTALLED, AND ANY SUCH EXTRA EXPENSE WILL BE THE RESPONSIBILITY OF GC AND/OR THE SUBTRADE.
- 8. THE GC SHALL SEAL ANY/ALL FLOOR AND FIRE PENETRATIONS MADE BY HENRY SCHEIN INSTALLERS AT THE FINISHING STAGES WITH THE APPROPRIATE MATERIAL.
- 7. THE GC SHALL PROVIDE DOOR THRESHOLDS & DOOR SEALS NECESSARY FOR DENTAL EQUIPMENT SOUND ATTENUATION.
- 10. THE GENERAL CONTRACTOR SHALL SUPPLY FASTENERS, ANCHORS, ACCESSORIES AND ADHESIVES REQUIRED FOR FABRICATION AND ERECTION OF THE WORK. KEEP EXPOSED FASTENERS TO A MINIMUM, NEATLY LAID OUT AND EVENLY SPACED. FLOOR FINISHES ARE TO BE CONTINUOUS UNDERNEATH MILLWORK AND EQUIPMENT. TRANSITIONS AND VARIATIONS BETWEEN FLOOR FINISHES TO BE SMOOTH AND LEVEL TO REDUCE INJURY WITH USE. PROVIDE 3/4" (19MM) PLYWOOD SUPPORT BETWEEN STUDS FOR ALL WALLS TO SUPPORT UPPER CABINETRY AND SHELVING, INCLUDING RECEPTION AND ALL TREATMENT ROOMS. WOOD SUPPORTS ABOVE THE CEILING MAY NEED TO BE FIRE RATED, FOLLOW LOCAL CODES.
- 11. PRIOR TO POURING THE CONCRETE FLOOR AND ENCLOSING ALL WALLS, THE GENERAL CONTRACTOR SHALL CONTACT THE ESS AND INSTALLATION TECHNICIAN FOR FINAL INSPECTION OF PLUMBING, ELECTRICAL AND WOOD SUPPORTS.
- 12. ALL LABOR AND MATERIAL NECESSARY FOR CHANGES IN EXISTING PLUMBING, CARPENTRY, AND ELECTRICAL WORK MUST BE DONE AND SUPPLIED BY THE GENERAL CONTRACTOR AND IS NOT INCLUDED IN THE COST OF EQUIPMENT.
- 13. ALL PLUMBING AND ELECTRICAL LINES ARE TO BE CONCEALED UNLESS OTHERWISE SPECIFIED.

14. THE ELECTRICAL PANEL SHALL BE CONVENIENTLY AND ACCESSIBLE, MEET THE ELECTRICAL CODE REQUIREMENTS, AND BE LOCATED IN THE SUITE. LOCATION TO BE APPROVED BY THE OWNER AND LANDLORD. THE GC SHALL REVIEW THE LOCATION WITH THE ESS, AS WELL AS THE LOCATIONS OF THE TELEPHONE SYSTEM AND SERVER/DATA IMAGING.

- 15. HENRY SCHEIN DENTAL SHALL NOT BE HELD RESPONSIBLE FOR SUPPLYING UL/ULC OR CSA APPROVAL CERTIFICATES. THE GC MAY CONTACT THE MANUFACTURER IF REQUIRED.
- 16. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE SPECIFIED TERMINATION BOXES, RECEPTACLES AND ANY HARDWIRE CIRCUITS LOCATED IN CUSTOM DENTAL CABINETRY. THEY ARE ALSO RESPONSIBLE FOR SUPPLYING GFCI RECEPTACLES WHERE REQUIRED BY CODE.
- 17. THE GC IS TO MAKE ARRANGEMENTS FOR TEMPORARY POWER AND/OR DISCONNECTION OF ELECTRICAL AND MECHANICAL SYSTEMS IF AND WHEN REQUIRED.
- 18. IF MULTIMEDIA SYSTEMS, SUCH AS ENTERTAINMENT TVS, MONITORS, OR NETWORK COMPUTER SYSTEMS, OR SECURITY SYSTEMS ARE SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL, THEN THESE SYSTEMS WILL BE THEIR RESPONSIBILITY. IN THE EVENT THAT THESE SYSTEMS, OR OTHER SYSTEMS, ARE NOT PROVIDED BY HENRY SCHEIN DENTAL, HENRY SCHEIN DENTAL SHALL NOT BE HELD RESPONSIBLE FOR THEIR INSTALLATION OR COMMISSIONING.
- 19. HENRY SCHEIN DENTAL WILL ASSEMBLE AND CONNECT TO UTILITIES WHICH ARE REQUIRED FOR OPERATION OF THE DENTAL OFFICE (SUCH AS ELECTRICAL, DOMESTIC WATER, SANITARY, GAS, AIR, AND VACUUM) PROVIDED SUCH CONNECTIONS BY OTHER TRADES ARE SUPPLIED CORRECTLY (WITH PROPER CONNECTIONS, FITTINGS, AND JUNCTIONS) AND COMPLETE, AS SPECIFIED BY HENRY SCHEIN DENTAL. HENRY SCHEIN DENTAL WILL CONNECT TO SUCH FITTINGS AND/OR JUNCTIONS PROVIDED OUR SERVICE TECHNICIANS ARE PERMITTED TO DO SO BY OTHER TRADES AND ARE NOT PROHIBITED FROM WORKING BY THEIR TRADE UNION AFFILIATION OR LACK OF TRADE UNION AFFILIATION. INSTALLATION PERMITS, IF REQUIRED, SHALL BE OBTAINED BY TRADES WHO PROVIDE THE SERVICE.
- 20. WHEN APPLICABLE, THE GC SHALL BE RESPONSIBLE FOR PROCURING A PLUMBING SUB-CONTRACTOR THAT IS CERTIFIED TO INSTALL CATEGORY 3 NITROUS OXIDE~OXYGEN CONSCIOUS SEDATION SYSTEMS AS DETAILED IN THESE PLANS. HENRY SCHEIN DENTAL IS A NITROUS OXIDE SYSTEM END USER COMPONENT SUPPLIER AND DOES NOT MANUFACTURE OR DESIGN ANY OF THESE SYSTEMS. ANY SYSTEM DESIGN SHOWN ON THESE PLANS BY HENRY SCHEIN DENTAL IS TO BE USED AS AN ILLUSTRATION ONLY FOR THE PURPOSE OF LOCATING END USER OUTLET STATIONS, CYLINDER ROOM MANIFOLD, AND ALARM PANEL. THE FINAL TRUNK SYSTEM INSTALLATION SHALL ADHERE TO THE MECHANICAL ENGINEERING DRAWINGS
- 21. PLUMBING SUBCONTRACTOR SHALL PROVIDE GAS CERTIFICATION CREDENTIALS IN ACCORDANCE WITH ANY REQUESTS BY THE OWNER, GENERAL CONTRACTOR, BUILDING DEPARTMENT, OR HENRY SCHEIN DENTAL PRIOR TO COMMENCING WORK IF ANY TYPE OF NITROUS~OXIDE SYSTEM IS BEING INCORPORATED INTO THE PROJECT.

PRIOR TO POURING THE CONCRETE FLOOR AND ENCLOSING ALL WALLS AND CEILINGS, THE GENERAL CONTRACTOR SHALL CONTACT THE ESS AND INSTALLATION TECHNICIAN FOR FINAL INSPECTION OF PLUMBING, ELECTRICAL AND WOOD SUPPORTS.

EQUIPMENT SPECIALIST (ESS): TELEPHONE:

SHAWN CLEARY (513) 616-3151

TECHNOLOGY SPECIALIST: TELEPHONE:

TELEPHONE:

INSTALLATION TECHNICIAN:

PREPARED BY A THIRD PARTY.

SHEET INDEX TITLE COVER SHEET DENTAL EQUIPMENT FLOOR PLAN

SA.1 DENTAL DIMENSION & REINFORCEMENT PLAN

SP.1 DENTAL PLUMBING SPECIFICATIONS

DENTAL ELECTRICAL SPECIFICATIONS

HENRY SCHEIN REP: SHAWN CLEARY

CENTER:

CINCINATTI, OH PHONE #: (513) 616-3151

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DRAWING NAME:
HPO-TIFFIN-1-F

PROJECT START DATE:
06/23/2018

O6/23/2018

FINALS START DATE:
06/28/2018

DRAWN BY:
TA

FINALS BY:
CHECKED BY:

REVISIONS:

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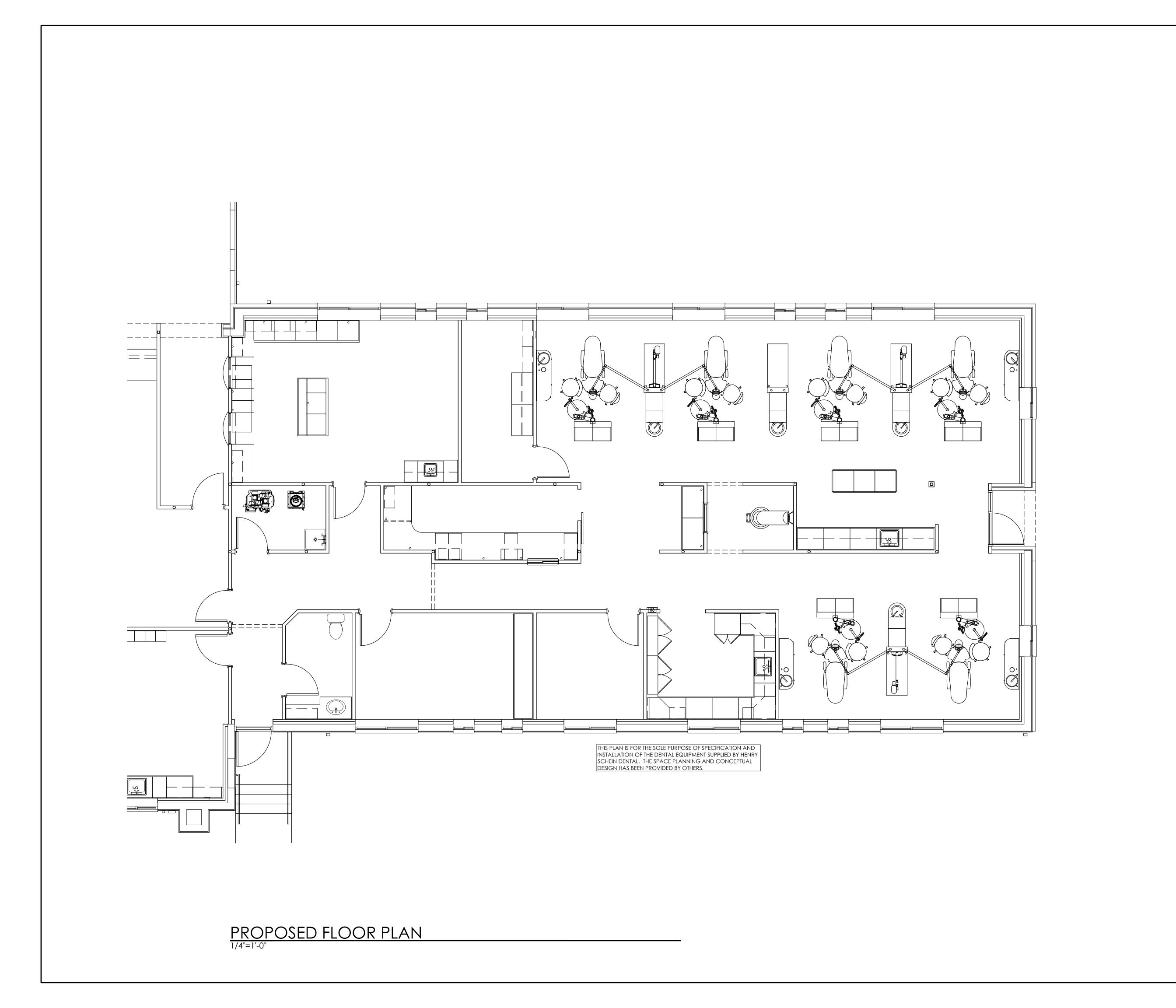
--/--/-- -----/--/-- -----/--/-- ---INT.SQ.FT.= ---SCALE: SHT. SIZE:

N/A 24 x 36

COVER SHEET

SGV

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HENRY SCHEIN REP: SHAWN CLEARY CENTER: CINCINATTI, OH PHONE #: (513) 616-3151

DRAWING NAME:

PROJECT START DATE: 06/23/2018

FINALS START DATE: 06/28/2018

DRAWN BY:
FINALS BY:
CHECKED BY:
REVISIONS:
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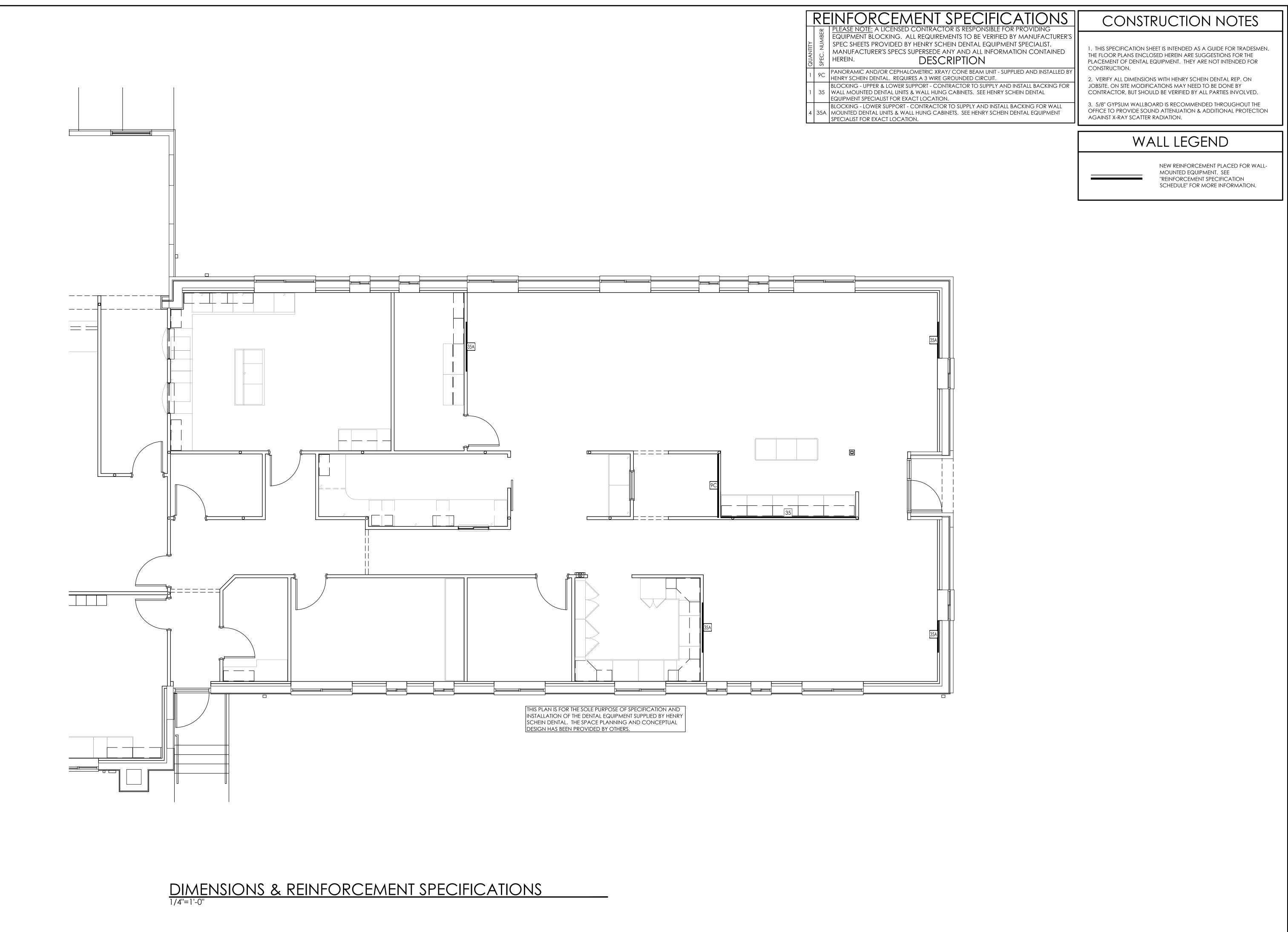
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SCALE: SHT. SIZE: 24 x 36

FLOOR PLAN





HENRY SCHEIN REP:

SHAWN CLEARY CINCINATTI, OH

PHONE #: (513) 616-3151

DRAWING NAME: HPO-TIFFIN-1-F

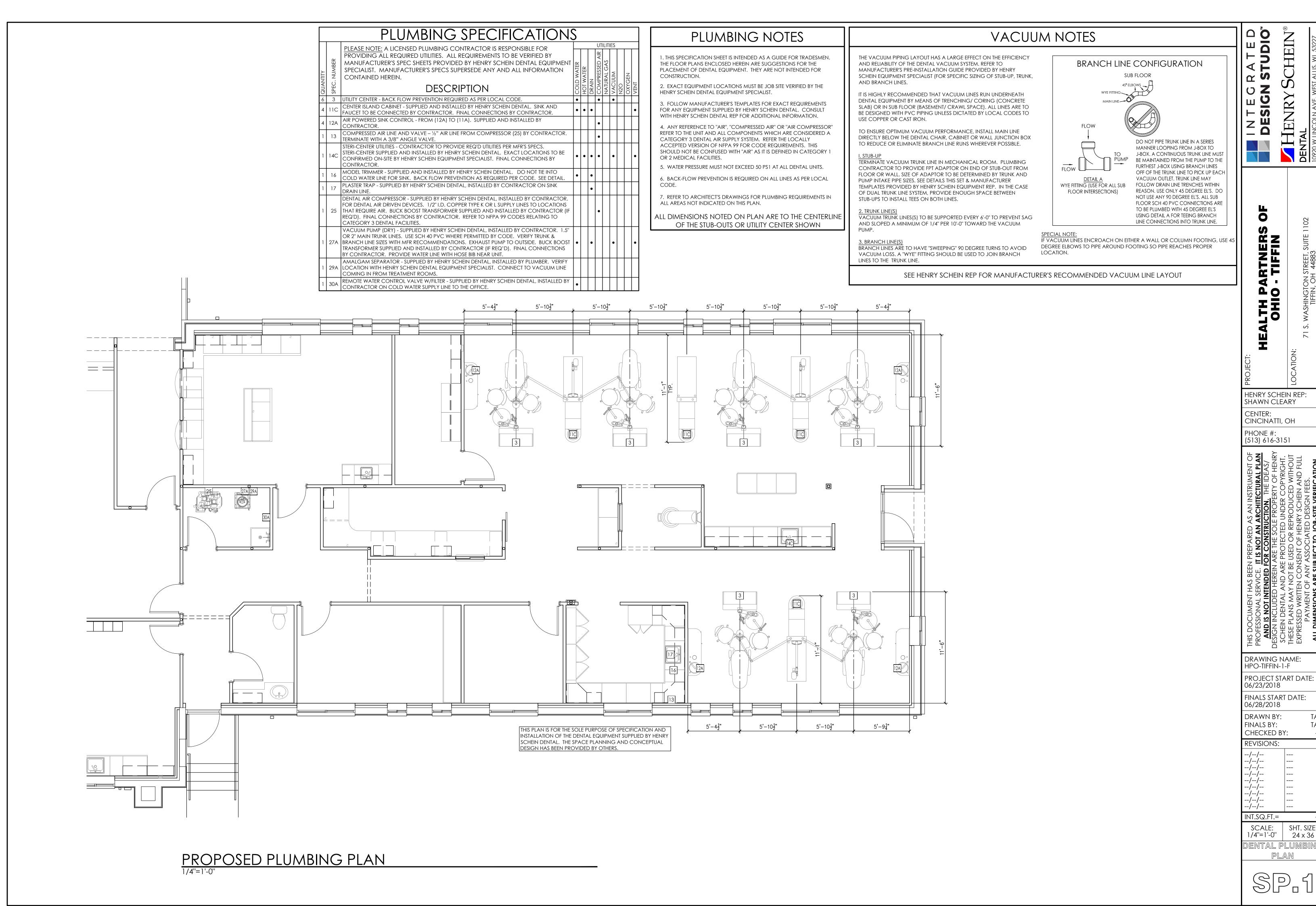
PROJECT START DATE: 06/23/2018 FINALS START DATE: 06/28/2018

DRAWN BY: FINALS BY: CHECKED BY:

REVISIONS:

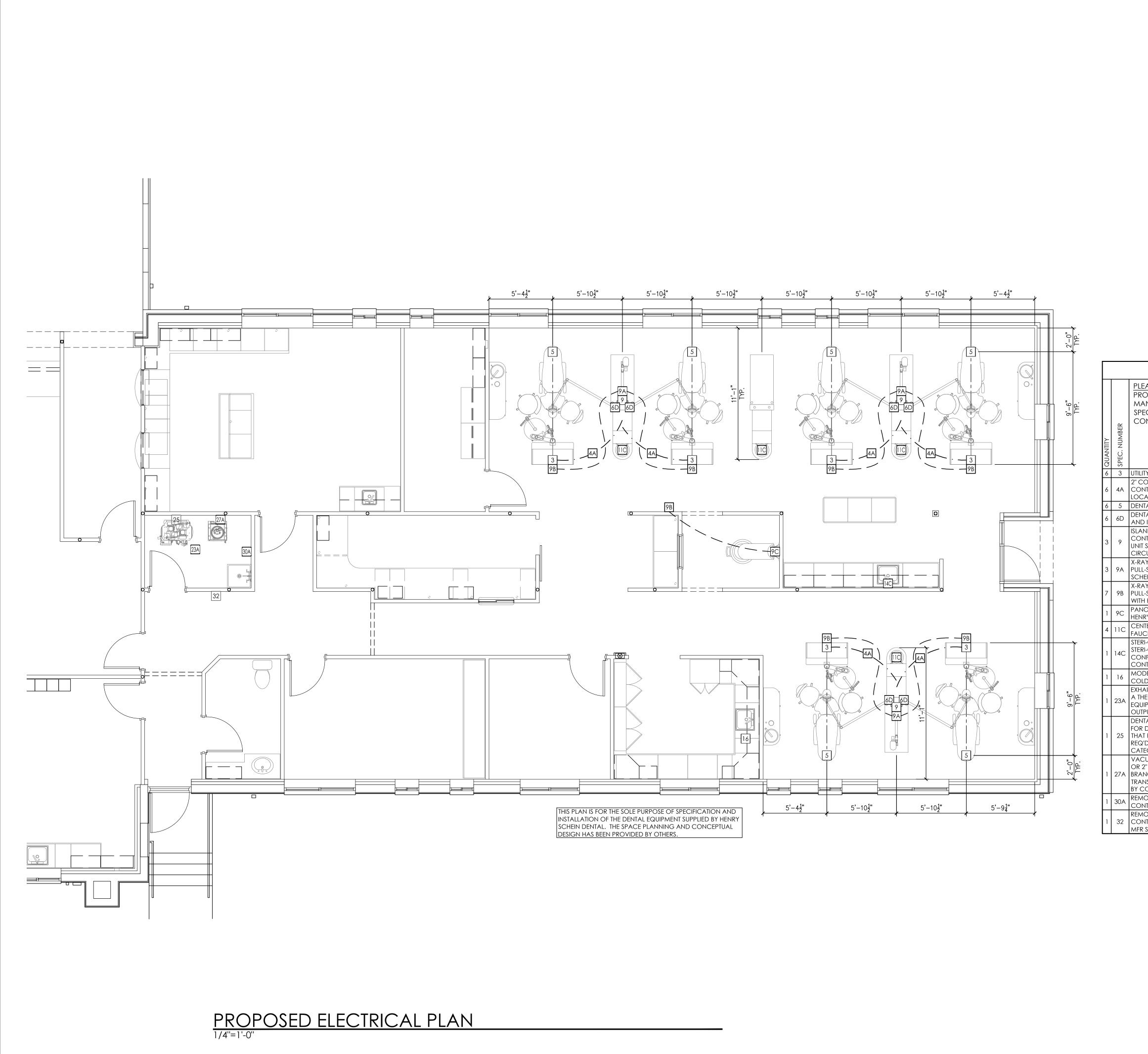
INT.SQ.FT.= SCALE: SHT. SIZE: 24 x 36

REINFORCEMENT PLAN



SHT. SIZE: 24 x 36

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ELECTRICAL NOTES

1. THIS SPECIFICATION SHEET IS INTENDED AS A GUIDE FOR TRADESMEN. THE FLOOR PLANS ENCLOSED HEREIN ARE SUGGESTIONS FOR THE PLACEMENT OF DENTAL EQUIPMENT. THEY ARE NOT INTENDED FOR CONSTRUCTION.

2. EXACT EQUIPMENT LOCATIONS MUST BE JOB SITE VERIFIED BY THE HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST.

3. FOLLOW MANUFACTURER'S TEMPLATES FOR EXACT REQUIREMENTS FOR ANY EQUIPMENT SUPPLIED BY HENRY SCHEIN DENTAL. CONSULT WITH HENRY SCHEIN DENTAL REP FOR ADDITIONAL INFORMATION.

4. GFCI PROTECTION OR REDUNDANT GROUND IN DENTAL CHAIR RECEPTACLES, DENTAL UTILITY CABINETS AND ANY OTHER AREAS REQUIRED BY LOCAL CODE IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

5. ADDITIONAL CONVENIENCE OUTLETS REQUIRED ON JOBSITE ARE THE RESPONSIBILITY OF ELECTRICAL CONTRACTORS. FOLLOW LOCAL CODE RESTRICTIONS.

6. ALL COMPUTER NETWORKING AND WORKSTATIONS MUST BE SPECIFIED BY CUSTOMER'S COMPUTER SUPPLIER. IF HENRY SCHEIN WILL BE SUPPLYING THE COMPUTER NETWORKING SYSTEM, SEE SHEET SE.2 FOR THE OFFICE AUTOMATION PLAN.

7. CONTRACTOR TO PROVIDE AND INSTALL ALL EXIT SIGNS, EMERGENCY LIGHTING AND FIRE SUPPRESSION & DETECTION SYSTEMS AS PER ARCHITECT'S DRAWINGS AND LOCAL CODE.

8. REFER TO ARCHITECT'S DRAWINGS FOR ELECTRICAL REQUIREMENTS IN ALL AREAS NOT INDICATED ON THIS PLAN.

ALL DIMENSIONS NOTED ON PLAN ARE TO THE CENTERLINE
OF THE JUNCTION BOX OR UTILITY CENTER SHOWN

*SPECIFICATIONS MAY INCLUDE DATA, SEE ELECTRICAL SCHEDULE THIS SHEET

		PLEASE NOTE: A LICENSED ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR	UTII	LITIES		_
QUANIIIY	SPEC. NUMBER	PROVIDING ALL REQUIRED UTILITIES. ALL REQUIREMENTS TO BE VERIFIED BY MANUFACTURER'S SPEC SHEETS PROVIDED BY HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST. MANUFACTURER'S SPECS SUPERSEDE ANY AND ALL INFORMATION CONTAINED HEREIN. DESCRIPTION	POWER	DEDICATED CIRCUIT	LOW VOLTAGE CONTROL	
6	3	UTILITY CENTER - BACK FLOW PREVENTION REQUIRED AS PER LOCAL CODE.	115V	_	Ε	†
6	4A	2" CONDUIT - SUB-FLOOR PIPE CHASE WITH PULL-STRING SUPPLIED & INSTALLED BY CONTRACTOR. SWEEPING 90 DEGREE BENDS, STUB-UP FLUSH WITH SUB-FLOOR. MARK LOCATION AT FINISH.				
6	5	DENTAL CHAIR RECEPTACLE - SUPPLIED & INSTALLED BY CONTRACTOR.	115V			
5	6D	DENTAL LIGHT (CABINET MOUNTED) - TIED IN AT POWER FOR CENTER CABINET (11C). SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL.	115V			
3	9	ISLAND CABINET MOUNTED INTRAORAL X-RAY HEAD, ARM, AND WALL BRACKET - CONTRACTOR TO PROVIDE POWER AT LOCATION SHOWN ON ISLAND CABINET DETAIL. X-RAY UNIT SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. REQUIRES A 3 WIRE GROUNDED CIRCUIT.	115V	20A		
3	9A	X-RAY MASTER CONTROL - CONTRACTOR TO SUPPLY AND INSTALL PIPE CHASE WITH PULL-STRING TO (9) LOCATION WHEN (9A) IS REMOTE. VERIFY SUPPLIER OF WIRING WITH HENRY SCHEIN EQUIPMENT SPECIALIST. FINAL CONNECTION BY HENRY SCHEIN DENTAL.			•	
7	9B	X-RAY REMOTE EXPOSURE BUTTON - CONTRACTOR TO SUPPLY AND INSTALL PIPE CHASE WITH PULL-STRING TO (9A) OR (9C) LOCATION. VERIFY SUPPLIER OF EXPOSURE BUTTON AND WIRING WITH HENRY SCHEIN EQUIPMENT SPECIALIST. FINAL CONNECTION BY HENRY SCHEIN DENTAL.			•	
1	9C	PANORAMIC AND/OR CEPHALOMETRIC XRAY/ CONE BEAM UNIT - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. REQUIRES A 3 WIRE GROUNDED CIRCUIT.	115V & 230V	20A (X2)		
4	11C	CENTER ISLAND CABINET - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. SINK AND FAUCET TO BE CONNECTED BY CONTRACTOR. FINAL CONNECTIONS BY CONTRACTOR.	115V	20A		
1	14C	STERI-CENTER UTILITIES - CONTRACTOR TO PROVIDE REQ'D UTILITIES PER MFR'S SPECS. STERI-CENTER SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. EXACT LOCATIONS TO BE CONFIRMED ON-SITE BY HENRY SCHEIN EQUIPMENT SPECIALIST. FINAL CONNECTIONS BY CONTRACTOR.	SEE MFR. SPECS	•		
1	16	MODEL TRIMMER - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. DO NOT TIE INTO COLD WATER LINE FOR SINK. BACK FLOW PREVENTION AS REQUIRED PER CODE. SEE DETAIL.	115V			
1	23A	EXHAUST FAN FOR DENTAL MECHANICAL CLOSET - SUPPLIED AND INSTALLED BY CONTRACTOR. A THERMOSTAT CONTROLLED FAN IS REQUIRED TO KEEP ROOM TEMPERATURE WITHIN THE EQUIPMENT MANUFACTURER'S RECOMMENDED OPERATING TEMPERATURE RANGE. FAN OUTPUT (CFM) TO BE DETERMINED BY ARCHITECT/ENGINEER. VENT TO OUTSIDE.	115V	•		
1	25	DENTAL AIR COMPRESSOR - SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY CONTRACTOR. FOR DENTAL AIR DRIVEN DEVICES. 1/2" I.D. COPPER TYPE K OR L SUPPLY LINES TO LOCATIONS THAT REQUIRE AIR. BUCK BOOST TRANSFORMER SUPPLIED AND INSTALLED BY CONTRACTOR (IF REQ'D). FINAL CONNECTIONS BY CONTRACTOR. REFER TO NFPA 99 CODES RELATING TO CATEGORY 3 DENTAL FACILITIES.	230V	VARY	•	
١	27A	VACUUM PUMP (DRY) - SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY CONTRACTOR. 1.5" OR 2" MAIN TRUNK LINES. USE SCH 40 PVC WHERE PERMITTED BY CODE. VERIFY TRUNK & BRANCH LINE SIZES WITH MFR RECOMMENDATIONS. EXHAUST PUMP TO OUTSIDE. BUCK BOOST TRANSFORMER SUPPLIED AND INSTALLED BY CONTRACTOR (IF REQ'D). FINAL CONNECTIONS BY CONTRACTOR. PROVIDE WATER LINE WITH HOSE BIB NEAR UNIT.	230V	VARY	•	
1	30A	REMOTE WATER CONTROL VALVE W/FILTER - SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY CONTRACTOR ON COLD WATER SUPPLY LINE TO THE OFFICE.	115V		•	
1	32	REMOTE PANEL (AIR, WATER, & VAC) - SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY CONTRACTOR 60" A.F.F. CONTRACTOR TO SUPPLY AND INSTALL 24V CONTROL WIRING PER MFR SPECS.			•	

	HEALTH PARTNERS (OHIO - TIFFIN	
5	PROJECT: LOCATION	
277	HENRY SCHEIN REP: SHAWN CLEARY	
	CENTER: CINCINATTI, OH	
	PHONE #: (513) 616-3151	
	THIS DOCUMENT HAS BEEN PREPARED AS AN INSTRUMENT OF PROFESSIONAL SERVICE. IT IS NOT AN ARCHITECTURAL PLAN AND IS NOT INTENDED FOR CONSTRUCTION. THE IDEAS/ DESIGN INCLUDED HEREIN ARE THE SOLE PROPERTY OF HENRY SCHEIN DENTAL AND ARE PROTECTED UNDER COPYRIGHT. THESE PLANS MAY NOT BE USED OR REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT OF HENRY SCHEIN AND FULL DANNARM OF ANY ASSOCIATED DESIGN GES	
	DRAWING NAME: HPO-TIFFIN-1-F	
$\left\{ \right.$	PROJECT START DAT 06/23/2018	Π

SCALE: SHT. SIZE: 24 x 36

DENTAL

ELECTRICAL PLAI

FINALS START DATE: 06/28/2018

DRAWN BY: FINALS BY: CHECKED BY:

REVISIONS:

INT.SQ.FT.=

CO	CONCRETE MIX DESIGN MATRIX										
1	INTENDED USE	f'c (ksi) [1]	Conc. Type [2]	Max. W/CM Ratio [3a] [3b]	Min. Cem. Mtl. (3/cy) [4]	Max. Aggr. Size (in) [5a] [5b]	Sump Limits (In.) [6]	Total Air Limits (%) [7]	Cement Type	Req'd. Admix. [8]	Other Rarmts. [9]
2	INTERIOR SLABS ON GRADE	4	NW	0.5	564	1	4	o	1		
3	INTERIOR DECK SLABS	4	NW	0.46	564	>1/2"	5	0	1		WRA
4	EXTERIOR CONCRETE WALKS & CURBS	4	NW	0.45	564	1	4	6	ı	AE	NOTE "A"

Concrete plant, ready mix trucks and all materials must meet or exceed 0.D.O.T. standards.

NOTES:

- [1] Strength: Proportion mixed to attain compressive strength indicated 28 days, unless higher are specified
- [2] Provide normal weight (NW) concrete as indicated.

[3a] W/CM is the ratio of the weight of water to the weight of cementious materials (Portland cement). The weight of water includes all free water in the aggregates at the time of batching.

- [3b] GGBFS at 20% replacement of Type 1 Cement per ASTM C989. No fly ash allowed.
- [4] Minimum cementious materials is minimum weight Portland cement. Provide not less than 517 lbs. of cementious material per cubic yard for slip—formed concrete elements.

 3/4" = No. 67 aggregate

 1" = No. 57 aggregate, \geq 1/2" = No. 8 aggregate
- [5b] For fine aggregate sizes, provide natural sand that meets ASTM C33. No manufactured sand or agriculture lime permitted.
- [6] When slump is listed as maximum, tolerance is plus 0" and minus 2-1/2". Slump for concrete with HRWRA (superplasticizer) shall be 8" maximum.
- [7] Total air contents listed include both entrained and entrapped air \pm 1.5%.
- [8] Abbreviations for admixtures are as follows: = Air—entrained admixture WRA = Water reducing admixture (Plasticizer for pumping — optional)
- [9] Other requirements are as follows: NOTE A: ODOT class C, Option 3 (20% max. slag)

END OF APPENDIX

BUILDING ALTERATIONS HEALTH PARTNERS OF WESTERN OHIO 1344 W. SENECA AVE. TIFFIN, OH 44883



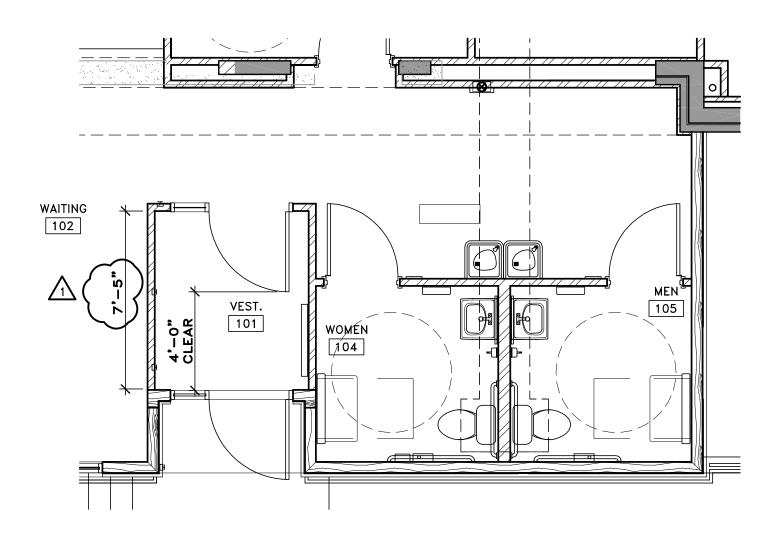
HNICON DESIGN GROUP, INC.

1800 N. Perry St., Ste. 102 419 523 5323 Ottawa, Ohio 45875

FAX 523 9441

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S501a	





BUILDING ALTERATIONS HEALTH PARTNERS OF WESTERN OHIO 1344 W. SENECA AVE. **TIFFIN, OH 44883**



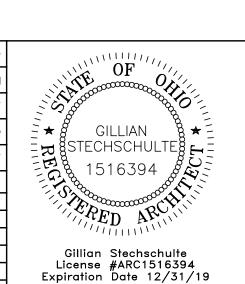
Ottawa, Ohio 45875

1800 N. Perry St., Ste. 102

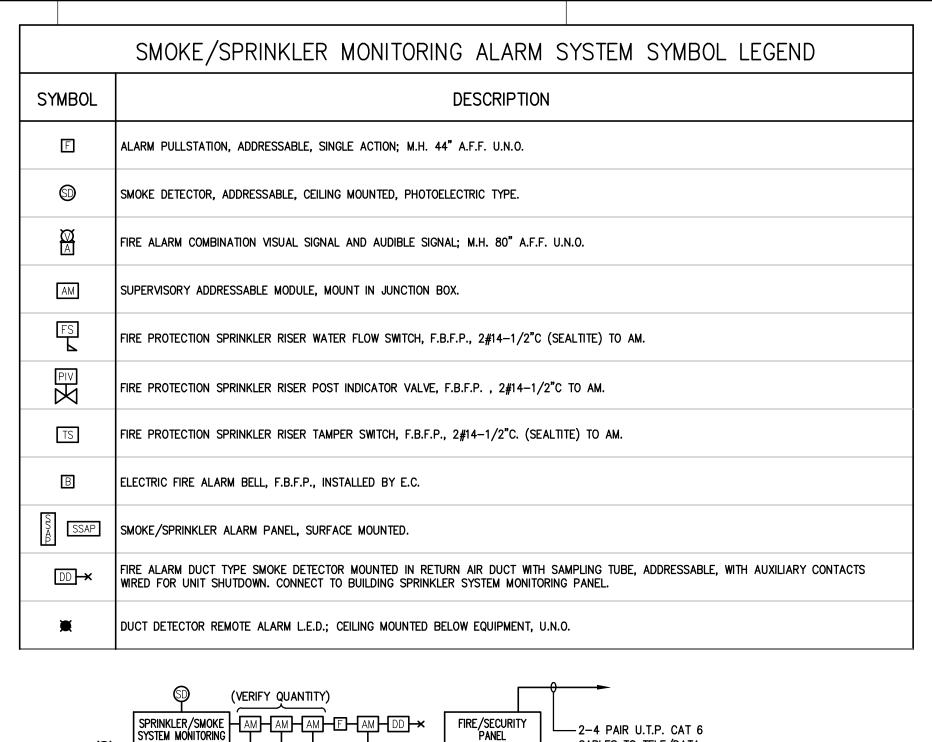
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419 523 5323 FAX 523 9441

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PAGE	ISSUE DATE
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ADDENDUM	
2	



	PLAN SYMBOL LEGEND					
SYMBOL	DESCRIPTION					
	INDICATES CONDUIT ABOVE GRADE, SURFACE MOUNTED OR CONCEALED INSIDE THE BUILDING SURFACE. EXPOSED CONDUIT ON THE BUILDING EXTERIOR WILL NOT BE ACCEPTED.					
	INDICATES CONDUIT BELOW GRADE OR UNDER FLOOR.					
	INDICATES CONDUCTOR IN CONDUIT, QUANTITY AS SHOWN.					
	INDICATES PHASE, NEUTRAL AND GROUND CONDUCTORS IN CONDUIT.					
	INDICATES (2) PHASE, NEUTRAL AND GROUND CONDUCTORS IN CONDUIT.					
	HOME RUN TO SOURCE PANELBOARD OR CONTROL PANEL.					
J	JUNCTION BOX BLANK COVER.					
O	MOTOR, HORSEPOWER AND VOLTAGE AS SCHEDULED.					
	EQUIPMENT CONTROL PANEL. WIRING TO LINE TERMINALS BY E.C.					
MSP	PACKAGED MOTOR STARTER PANEL FURNISHED WITH EQUIPMENT, WRING TO LINE TERMINALS BY E.C.					
MSP.	PACKAGED MOTOR STARTER PANEL FURNISHED WITH EQUIPMENT, BUILT—IN SAFETY DISCONNECT. WIRING TO LINE TERMINALS BY E.C.					
	MANUAL MOTOR SAFETY DISCONNECT SWITCH, HORSEPOWER RATED.					
	MANUAL MOTOR STARTER SWITCH, HORSEPOWER RATED WITH OVERLOADS, PILOT LIGHTED, ENGRAVED NAMEPLATE, FLUSH MOUNTED FINISHED SPACE, SURFACE MOUNTED UNFINISHED SPACE; 48" A.F.F. U.N.O.					
SZ P	INDOOR SAFETY DISCONNECT SWITCH WITH SIZE AS INDICATED, NON-FUSIBLE, NEMA 1 ENCLOSURE, HEAVY DUTY.					
SZ •	OUTDOOR FUSIBLE SAFETY DISCONNECT SWITCH WITH SIZE AS INDICATED, FUSE SIZE AS INDICATED WITH REJECTION STYLE FUSE CLIPS, NEMA 3R					
\$	SINGLE POLE WALL SWITCH, 20A-120/277V, FLUSH MOUNTED FINISHED SPACE, SURFACE MOUNTED UNFINISHED SPACE; M.H. 44" A.F.F.					
\$ \$	3-WAY AND 4-WAY WALL SWITCHES, 20A-120/277V, FLUSH MOUNTED FINISHED SPACE, SURFACE MOUNTED UNFINISHED SPACE; M.H. 44" A.F.F.					
3 4 	LED WALL DIMMER SWITCH 0-10V, FLUSH MOUNTED FINISHED SPACE; M.H. 44" A.F.F., PROVIDE 3 WAY STYLE WHERE INDICATED WITH '3'.					
	LOW VOLTAGE DIGITAL WALL SWITCH IN SINGLE GANG BOX, 2-BUTTON ON/OFF, FLUSH MOUNTED, M.H. 44" A.F.F. U.N.O.; nLIGHT #NPODM OR					
\$ SW-X	LOW VOLTAGE DIGITAL WALL DIMMER SWITCH IN SINGLE GANG BOX, 3—BUTTON, ON/OFF, RAISE/LOWER, FLUSH MOUNTED, M.H. 44" A.F.F.					
93W-X	U.N.O.; nLIGHT #NPODM-DX OR EQUAL. WALL-PLATE OCCUPANCY SENSOR, DUAL TECHNOLOGY, AUTO ON/TIMED OFF, TIME DELAY OFF SET AT 10 MINUTES, FLUSH MOUNT, M.H. MAXIMUM OF 44" A.F.F.					
V	WALL PLATE VACANCY SENSOR, DUAL TECHNOLOGY, MANUAL ON/TIMED OFF, TIME DELAY OFF SET AT 10 MINUTES; FLUSH MOUNTED, M.H. 44" A.F.F. U.N.O.					
VD	WALL PLATE VACANCY SENSOR, DUAL TECHNOLOGY, MANUAL ON/TIMED OFF, TIME DELAY OFF SET AT 10 MINUTES, LINE VOLTAGE, 0-10V DIMMER WITH RISE/LOWER BUTTONS, PHOTOCELL, FLUSH MOUNTED, M.H. 44" A.F.F.					
	CEILING MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGY, LOW VOLTAGE, AUTO ON/TIMED OFF TIME DELAY OFF SET AT 10 MINUTES. PROVIDE					
	NECESSARY POWER PACKS, SLAVE PACKS, ETC. FOR A COMPLETE AND OPERABLE LIGHTING CONTROL SYSTEM. RECEPTACLE CIRCUIT BREAKER PANELBOARD; 120/240V-10-3W; SEE PANELBOARD SCHEDULE.					
ФФ {	DUPLEX OR DOUBLE DUPLEX RECEPTACLE, GROUNDING TYPE, NEMA 5-20R, 20A-120V, TAMPER RESISTANT 16" A.F.F., FLUSH MOUNTED U.N.O., WHITE BODY WITH MATCHING PLASTIC COVERPLATE.					
ф ф	GROUND FAULT INTERRUPTER OR GFI PROTECTED DUPLEX OR DOUBLE DUPLEX RECEPTACLE, GROUNDING TYPE, NEMA 5–20R, 20A–120V,					
	TAMPER RESISTANT FLUSH MOUNTED; M.H. 44" A.F.F. U.N.O. WHITE BODY WITH MATCHING PLASTIC COVERPLATE. DOUBLE DUPLEX SURGE PROTECTIVE RECEPTACLE, GROUNDING TYPE, NEMA 5-20R, 20A-120V, WITH INDICATOR LIGHT, FLUSH MOUNTED U.N.O., M.H.					
	TO BE FIELD DETERMINED. BLUE BODY WITH MATCHING PLASTIC COVERPLATE. WEATHERPROOF GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE, LISTED WEATHER RESISTANT TYPE, GROUNDING TYPE, NEMA 5-20R, 20A-120V,					
₩ ▽	M.H. 24" A.F.F., FLUSH MOUNTED HORIZONTALLY U.N.O., PLASTIC "WHILE IN USE" COVER, WHITE BODY. COMMUNICATIONS OUTLET, 2 1/2" DEEP, 4 11/16" SQUARE BOX WITH 1-GANG PLASTER RING. STUB 1"C TO ACCESSIBLE CRAWL/BASEMENT SPACE					
	WITH 90' ELBOW AND INSULATED BUSHING, FLUSH MOUNTED, M.H. 16" A.F.F. U.N.O. WIRELESS ACCESS POINT COMMUNICATIONS OUTLET, 2 1/2" DEEP, 4" 11/16" SQUARE BOX WITH 1-GANG PLASTER RING INSTALLED ABOVE CEILING AS INDICATED, FOR ABOVE CEILING INSTALLATION SURFACE MOUNT ON STRUCTURE ABOVE ACCESSIBLE CEILING. PROVIDE GROMMETED OPENING FOR					
SPD	CABLING. SURGE PROTECTION DEVICE PER SPECIFICATIONS.					
P1	POKE-THRU, FULLY RECESSED 8", DUAL SERVICE WITH 2-20A DUPLEX RECEPTACLE AND SPACE/ COMMUNICATIONS BRACKET FOR DATA/COMMUNICATIONS/AV JACKS, 2" CONDUIT BOTTOM HOUSING ASSEMBLY FOR LOW VOLTAGE CABLING, DIE-CAST ALUMINUM COVER ASSEMBLY, COLOR/FINISH SELECTED BY ARCHITECT; WIREMOLD EVOLUTION 8ATC SERIES WITH #8CTCXX COVER. VERIFY FINAL LOCATION WITH FURNITURE SUPPLIER, ARCHITECT AND OWNER PRIOR TO ROUGH-IN.					
P2)	POKE THRU, FULLY RECESSED, 4", SINGLE SERVICE WITH 2-20A DUPLEX RECEPTACLES, AND BLANK PLATE, DIE CAST ALUMINUM COVER ASSEMBLY, COLOR/FINISH SELECTED BY ARCHITECT; WREMOLD EVOLUTION 4ATC SERIES OR EQUAL. VERIFY FINAL LOCATION WITH DENTAL EQUIPMENT SUPPLIER PRIOR TO ROLICH-IN					
(ELECTRIC WATER COOLER RECEPTACLE, GROUND FAULT INTERRUPTER OR GFI PROTECTED, GROUNDING TYPE, NEMA 5-20R, 20A-120V, TAMPER RESISTANT; FLUSH MOUNTED, M.H. 18" A.F.F. U.N.O., COORDINATE FINAL LOCATION WITH P.C.					
TVWB	PECESSED TELEVISION WALL BOX WITH TLUSTI COVER, 1 NEMA 5 20P DUDKEY RECEPTABLE, PROVIDE 3/4"C (POWER) AND 101/4" (LOW VOLTAGE) FROM BOX TO ABOVE ACCESSIBLE CEILING SPACE AND INTO CEILING SPACE BELOW, WITH 90" ELBOW AND INSULATED BUSHING FOR					
LCP	DATA/AV CABLING. MOUNTING HEIGHT AS NOTED; FSR #PWB-100 OR ENGINEER APPROVED EQUAL. LIGHTING CONTROL PANEL, NETWORK TYPE, 4-30A 120/277V RELAYS, NEMA 1 CABINET, 120V INPUT; nLIGHT # n PANEL 4 OR EQUAL; PROVIDE NECESSARY EMERGENCY BARRIER WHERE REQUIRED					
PC	PHOTOELECTRIC CELL, COMPATIBLE WITH LIGHTING CONTROL PANEL, PROVIDE 1 PER MASTER LIGHTING CONTROL PANEL, MOUNT AT ROOF LINE FACING NORTH.					
LG	LIGHTING CONTROL GATEWAY DEVICE, MOUNTED IN 2 1/2" DEEP, 4" SQUARE BOX, STUB 1"C ABOVE ACCESSIBLE CEILING WITH 90° ELBOW AND INSULATED BUSHING, SURFACE MOUNTED, M.H. 48" A.F.F. U.N.O.; nLIGHT #NGWY2 KIT OR EQUAL					
PP	LIGHTING CONTROL RELAY POWER PACK, MOUNT ABOVE ACCESSIBLE CEILING; nLIGHT #NPP16 OR EQUAL					
DP	LIGHTING CONTROL 0-10VDC DIMMING POWER PACK, MOUNT ABOVE ACCESSIBLE CEILING; nLIGHT #NPP16D OR EQUAL.					
(DRYER RECEPTACLE, GROUNDING TYPE, 30A-125/250V, NEMA 14-30R WITH 5' PIGTAIL AND MATCHING ANGLE CAP; FLUSH MOUNTED, M.H. 42" A.F.F. U.N.O. PROVIDE 3#10 & 1#10G - 3/4"C FEEDER.					
	CEILING SPEAKER FURNISHED AND INSTALLED BY OWNER. PROVIDE DATA CABLE AS NOTED.					



PANEL

(SEC)

— 1"C (ALARM/TROUBLE/

SUPERVISORY SIGNALS)

PANEL

(SSAP)

SSAP RISER DIAGRAM

WORK IN CONTRACT

UNLESS NOTED OTHERWISE VERIFY LOCATION WITH OWNER

VANDLEPROOF COVER

WEATHERPROOF ITEM OR DEVICE

PROVIDE FIXTURE/DEVICE WITH WIRE GUARD

NIGHT LIGHT CIRCUIT FOR CONTINUOUS OPERATION; PROVIDE BREAKER LOCKING STRAP IN 'ON' POSITION

EMERGENCY CIRCUIT FOR CONTINUOUS OPERATION;

PROVIDE BREAKER LOCKING STRAP IN 'ON' POSITION

WIC

EM

U.N.O.

V.L.

LRP: B (B−2) → ||/

CABLES TO TELE/DATA

BACKBOARD FOR DIALER.

-FIRE/SECURITY PANEL BY

WITH BACK-UP CELLULAR

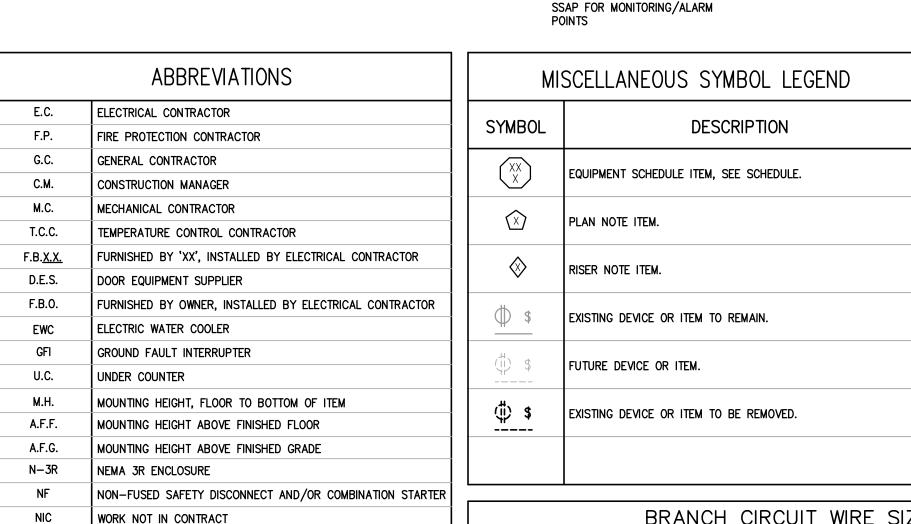
COMMUNICATOR FOR

MONITORING BY CENTRAL

STATION. E.C. TO PROVIDE

120V CIRCUIT AND CONDUIT TO

OWNERS VENDOR, COMPLETE



			DINATE WITH CEILING TYPES.
		C. ALL LED DRIVERS NOTED OTHERWISE.	TO BE 0-10V DIMMING TO 10% MINIMUM, UNLESS
BR	ANCH CIRCUIT WIRE S	IZING TABLE	
FOR ¹	20V-20A BRANCH CIRCUITS ONLY, UNLI	ESS OTHERWISE NOTED	
IF DISTANCE A+B IN FEET IS: (SEE DIAGRAM AT RIGHT)	USE COPPER WIRE IN METALLIC CONDUIT, AWG SIZE AS FOLLOWS ON ENTIRE CIRCUIT AND SIZE CONDUIT ACCORDINGLY:	'RP' PANEL 1ST ON CKT.	
0' TO 100' 100' TO 175' 175' TO 300' 300' TO 450'	# 12 (MIN.) # 10 # 8 # 6 (MAX.)	LAST ON CKT.	
THIS TABLE IS BASED ON AN EVENL'	ODISTRIBUTED LOAD ALLOWING A 3% VOLT	TO LAST RECEPTACLE ON CIRCUIT AGE DROP AT LAST OUTLET/FIXTURE;	

	COMMUNICATIONS CONNECTIVITY SCHEDULE
SYMBOL	DESCRIPTION
1	COMMUNICATIONS OUTLET (1-DATA) CONSISTING OF (1) 2-PORT, SINGLE GANG, FLUSH FACEPLATE, AND (1) CAT-6 RJ45 MODULAR JACK WITH (1) CAT-6 4UTP CABLE (BLUE JACKET) ROUTED TO LOCAL IDF/MDF
(IA)	COMMUNICATIONS OUTLET (1-ANALOG) CONSISTING OF (1) 2-PORT, SINGLE GANG, FLUSH FACEPLATE, AND (1) CAT-6 RJ45 MODULAR JACK WITH (1) CAT-6 4UTP CABLE (GRAY JACKET) ROUTED TO LOCAL IDF/MDF
2	COMMUNICATIONS OUTLET (2-DATA) CONSISTING OF (1) 2-PORT, SINGLE GANG, FLUSH FACEPLATE, AND (2) CAT-6 RJ45 MODULAR JACKS WITH (2) CAT-6 4UTP CABLES (BLUE JACKET) ROUTED TO LOCAL IDF/MDF
ØA	COMMUNICATIONS OUTLET (2-ANALOG) CONSISTING OF (1) 2-PORT, SINGLE GANG, FLUSH FACEPLATE, AND (2) CAT-6 RJ45 MODULAR JACKS WITH (2) CAT-6 4UTP CABLES (GRAY JACKET) ROUTED TO LOCAL IDF/MDF
WA	WIRELESS ACCESS POINT COMMUNICATIONS OUTLET (1-DATA) CONSISTING OF (1) 2-PORT, SINGLE GANG, FLUSH FACEPLATE, AND (1) CAT-6 RJ45 MODULAR JACK WITH (1) CAT-6 4UTP CABLE (YELLOW JACKET) ROUTED TO LOCAL IDF/MDF. PROVIDE 20'-0" OF COILED CABLE ON J-HOOK (ABOVE AN ACCESSIBLE CEILING, WHERE APPLICABLE). FOR CONNECTION TO OWNER FURNISHED ACCESS POINT.
S	SPEAKER OUTLET (1-DATA) CONSISTING OF (1) 2-PORT, SINGLE GANG, FLUSH FACEPLATE, AND (1) CAT-6 RJ45 MODULAR JACK WITH (1) CAT-6 4UTP CABLE (BLUE JACKET) ROUTED TO LOCAL IDF/MDF

MULTI-MEDIA OUTLET (1-DATA, 1-COAX) CONSISTING OF (1) 2-PORT, SINGLE GANG, FLUSH FACEPLATE, AND (1) CAT-6 RJ45 MODULAR JACK

WITH (1) CAT-6 4UTP CABLE, AND (1) F-CONNECTOR WITH (1) RG6 CABLE ROUTED TO LOCAL IDF/MDF AND COAXIAL EQUIPMENT ACCORDINGLY.

APPLY ACCORDINGLY.

AG	E DROP AT LAST	OUTLET/FIXTURE;						
		SECURITY SYSTEM SYMBOL LEGEND						
	SYMBOL DESCRIPTION							
	00	DOOR CONTACT MOUNTED IN DOOR FRAME, FURNISHED AND INSTALLED BY OTHERS, E.C. TO STUB 1/2"C FROM TOP OF DOOR FRAME ON HANDLE SIDE TO ABOVE ACCESSIBLE CEILING WITH 90" ELBOW AND INSULATED BUSHING.						
	KP	SECURITY SYSTEM KEYPAD, FURNISHED AND INSTALLED BY OTHERS, E.C. TO PROVIDE 1-GANG BOX AND STUB 3/4"C TO ABOVE ACCESSIBLE CEILING WITH 90° ELBOW AND INSULATED BUSHING. M.H. 48" A.F.F.						
	SEC	SECURITY SYSTEM PANEL, FURNISHED AND INSTALLED BY OTHERS. E.C. TO PROVIDE 120V CIRCUIT						

RANCH	CIRCUIT	DESIGNATION	LEGEND

DESIGNATION	EXAMPLE
BREAKER NUMBER (1, 2, 3, ETC.)	1-14 BREAKER NUMBER 14
PANEL DESIGNATOR (LRP:1, LRP:2, ETC.)	PANEL LRP:1

			•••	201111201 10 11112111011 27111 111111 2/
4BLI	F		5.	MOUNT REMOTE POWER SUPPLY ON
E NOTE			6.	FIXTURE TO HAVE AUTOMATIC SCHED ADJUSTING DIM START POINT TIMES
A(Ft)	'RP' PANEL			TO REDUCE LUMINAIRE POWER BY 3.5 SCHEDULED TIMES.
- N	-1ST ON CKT.		7.	PROVIDE GLARE SHIELD WHERE NOTE
YK.				
€ \	LAST ON CKT.		<u>E</u> M	MERGENCY RESPONDER RA
TO I	WIRE LENGTH FROM FIRST LAST RECEPTACLE ON CIRCUIT		A.	IN ACCORDANCE WITH 2011 O.B.C. S 510, THIS BUILDING RENOVATION SHA REQUIREMENTS FOR FIRST RESPONDE DOCUMENTATION FOR THIS SIGNAL S
LAST C	OUTLET/FIXTURE;		В.	THE CONTRACTOR. TESTING SHALL BE PERFORMED BY A
	SECURITY SYSTEM SYMBOL LEGEND		٠	WITH INDUSTRY AND CODE RECOGNIZE TESTING AGENCY/CONTRACTOR SHALL
	STOCKET STOLEN STRIDGE LEGEND			CHANNEL(S) TO BE USED FOR COND APPLICABLE FIRST RESPONDER AGEN
OL	DESCRIPTION		D.	
	DOOR CONTACT MOUNTED IN DOOR FRAME, FURNISHED AND INSTALLED BY OTI E.C. TO STUB 1/2"C FROM TOP OF DOOR FRAME ON HANDLE SIDE TO ABOVE	HERS,		A FORMAL DEPONDS WITH DESIGNED

LUMINAIRE SCHEDULE

TYPE | CRI | TEMP |

LED

LED

LED

<u>LIGHTING FIXTURE SCHEDULE NOTES — GENERAL:</u>

ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR/EQUIPMENT

SUPPLIER TO COMPLETE CATALOG NUMBERS TO MATCH THE FIXTURE

REQUIREMENTS. APPROVED EQUAL MANUFACTURERS SHALL MEET THE REQUIREMENTS OF THE BASE SPECIFIED FIXTURES IN ALL ASPECTS.

DESCRIPTION, COMPLIANCE WITH SPECIFICATIONS AND INSTALLATION

B. PROVIDE ALL MOUNTING HARDWARE, BRACKETS, AND FLANGES AS

A. SPECIFICATION NUMBERS ARE MANUFACTURERS SERIES NUMBERS

80 | 3000°K | 1500 |

80 | 3500°K | 4000 |

80 | 3500% | 2000 |

80 | 3500°K | 3000 |

80 | 3500K | 2600 |

80 | 3500°K | 3000 |

80 | 3500°K | 500LM/

90 | 3500°K | 750 |

80 | 3500°K | 3800 |

80 | 3500°K | 3000 |

- | 3000% | 3900 |

- | 3000°K | 3900 |

80 | 3000°K | 6487 |

80 | 3000°K | 10500 |

80 | 3000°K | 5500 |

80 | 3000°K | 4699 |

DESCRIPTION

EXIT SIGN/EGRESS UNIT

COMBINATION, SINGLE

SINGLE/DUAL FACE

REMOTE EGRESS HEADS

2'x4' GRID TROFFER

2'x2' GRID TROFFER

2'x2' GRID TROFFER

OPEN DOWNLIGHT

EXIT SIGN

EGRESS UNIT

(TWIN HEADS)

VOLUMETRIC

VOLUMETRIC

VOLUMETRIC

4' WALL LIGHT

4' STRIPLIGHT

8' WALL WASH LINEAR

2'x4' LAY-IN LED

2'x2' LAY-IN LED

EXTERIOR WALL PACK

8' EXTERIOR LINEAR

W1A EXTERIOR WALL PACK

SIGN LIGHT

AREA LIGHT

AREA LIGHT

FLAG/FLOOD LIGHT

2' UNDER CABINET LIGHT | LED |

DROP LENS

WATTS | VOLTS |

20 120 RECESSED

120

120

120

34

3 9.6VDC 8'-0" A.F.F.

120 LAY-IN

20 | 120 | LAY-IN

30 | 120 | LAY-IN

120

120

27 | 120 | LAY-IN

35 | 120 | WALL MOUNT

35 | 120 | WALL MOUNT

120

WALL MOUNT

SEE DETAIL

SHEET E201

SEE DETAIL

SHEET E201

12" ABOVE SIGN

120 LAY-IN

120 LAY-IN

35 120

25

60

33

75

125 120

50 120

42 120

MOUNTING

WALL/CEILING HUNG

WALL/CEILING

WALL MOUNT

8'-0" A.F.F.

7'-0" A.F.F.

SURFACE/CHAIN

SURFACE UNDER LITHONIA CABINET #UCEL-24

<u>LIGHTING FIXTURE SCHEDULE NOTES — SPECIFIC:</u>

BASE

#LDN6-30/15-L06-WR-MVOLT

#LQM-S-W-3-R-120/277-EL N

#2BLT4-40L-ADP-EZ1-LP835

#2BLT2-20L-ADP-EZ1-LP835

#2BLT2-30L-ADP-EZ1-LP835

#ZL1D-L48-SMR-3000LM-FST-

500LMF-MIN1-ZT-120-SCT-C041

#2FXP-38L-835-4-DS-UNV-DIM

#2FXP-30L-835-2-DS-UNV-DIM

#DSXW1 LED-20C-530-30K-T2M

#DSXW1 LED-20C-530-30K-T4M

#DSX1 LED-P4-30K-T4M-MVOLT GARDCO

#DSXF1 LED-P2-30K-MSP-MVOLT GARDCO

#SEWS-101-L30W-30K-FT-

"-SPA-PNMT5D3-HS-XX-GS

#DSX0 LED-P2-30K-T2M-MVOLT

24VDC-8-MCS-18-AN08

-SPA-PNMT5D3-XX

-MVOLT-ELCW

#FMVTSL-48IN-MVOLT-30K

MVOLT-35K-80CRI-WH

#OPRW-G-LOP-8FT-80CRI-

#UCEL-24IN-35K-90CRI-WH

SPECIFICATION

#LHQM-LED-R-(HO)

#ELA-T-QWP-L0309

#ELM2-LED

APPROVED

EQUAL

PRESCOLITE

PORTFOLIO

LIGHTOLIER

DUAL-LITE

SURE LITES

DUAL-LITE

SURE LITES DUAL-LITE

CHLORIDE

CHLORIDE

SURE LITES

DUAL-LITE

SURE LITES

COLUMBIA

DAYBRITE

METALUX COLUMBIA

DAYBRITE

METALUX

COLUMBIA

DAYBRITE

METALUX COLUMBIA

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METALUX COLUMBIA

DAYBRITE

DAYBRITE

METALUX

COLUMBIA

LITHONIA

METALUX COLUMBIA

DAYBRITE

METALUX

GARDCO

GARDCO

GARDCO

MCGRAW EDISON

MCGRAW EDISON

MCGRAW EDISON

MCGRAW EDISON

MCGRAW EDISON

METALUX COLUMBIA

COLUMBIA

CHLORIDE

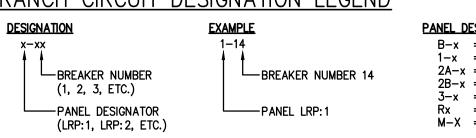
CHLORIDE

NOTES

- 1. PROVIDE 90-MINUTE EMERGENCY/EGRESS BATTERY PACK. WIRE ENTIRE FIXTURE TO LOCAL BRANCH CIRCUIT AHEAD OF LOCAL SWITCHING FOR CONTINUOUS ILLUMINATION AND EMERGENCY OPERATION. PROVIDE HIGH-OUTPUT BATTERY WHERE CONNECTED TO REMOTE EGRESS HEADS.
- PROVIDE 90-MINUTE EMERGENCY/EGRESS BATTERY PACK. WIRE ENTIRE FIXTURE FOR NORMAL SWITCHED OPERATION AND EMERGENCY OPERATION UPON LOSS OF POWER. PROVIDE UNSWITCHED HOT LEAD FOR VOLTAGE SENSING.
- 3. VERIFY COLOR SELECTION WITH OWNER/ARCHITECT.
- 4. CONNECT TO INTERIOR EXIT WITH 2#12-1/2"C.
- INTERIOR WALL ABOVE LAY-IN CEILING.
- HEDULING OPTION INTEGRAL TO FIXTURE FOR AND DURATION AND INTEGRAL MOTION SENSOR 33% WHEN NO ACTIVITY IS DETECTED DURING
- TED WITH 'GS' ON SITE PLAN.

ADIO COVERAGE

- SECTION 915 AND 2011 FIRE CODE SECTION HALL MEET MINIMUM SIGNAL STRENGTH IDER RADIO COVERAGE. TESTING AND STRENGTH SHALL BE THE RESPONSIBILITY OF
- ' A QUALIFIED TESTING AGENCY IN ACCORDANCE NIZED STANDARDS.
- HALL VERIFY FREQUENCY RANGE AND CONTROL ONDUCTING SIGNAL STRENGTH SURVEY WITH ALL
- SUBSTANTIAL COMPLETION WITH ALL BUILDING
- . A FORMAL REPORT WITH RESULTS SHALL BE SUBMITTED TO THE OWNER, ARCHITECT, AND ENGINEER.
- IN THE EVENT THE CERTIFIED TEST RESULTS PROVE THE SIGNAL STRENGTH AS INADEQUATE AS DETERMINED BY THE APPROPRIATE AUTHORITIES, A DISTRIBUTION ANTENNA SYSTEM (DAS) WILL BE INSTALLED UNDER SEPARATE CONTRACT OR CHANGE ORDER.



IEL D	ESIG	<u>NATIONS</u>
3-x	=	LRP: B
-x	=	LRP:1
2A-x	=	LRP: 2A
2B-x	=	LRP: 2B
3-x	=	LRP: 3
₹x	=	LCP RELAY NUMBER
√–X	=	MDP

mda engineering, inc. Mechanical 1415 Holland Road and Electrical Maumee, Ohio 43537 Engineers Phone: (419) 893-3141

Fax: (419) 893-0687

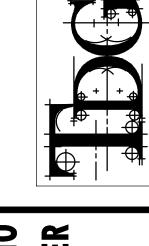


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ELECTRICAL LEGENDS, SCHEDULES AND DETAILS

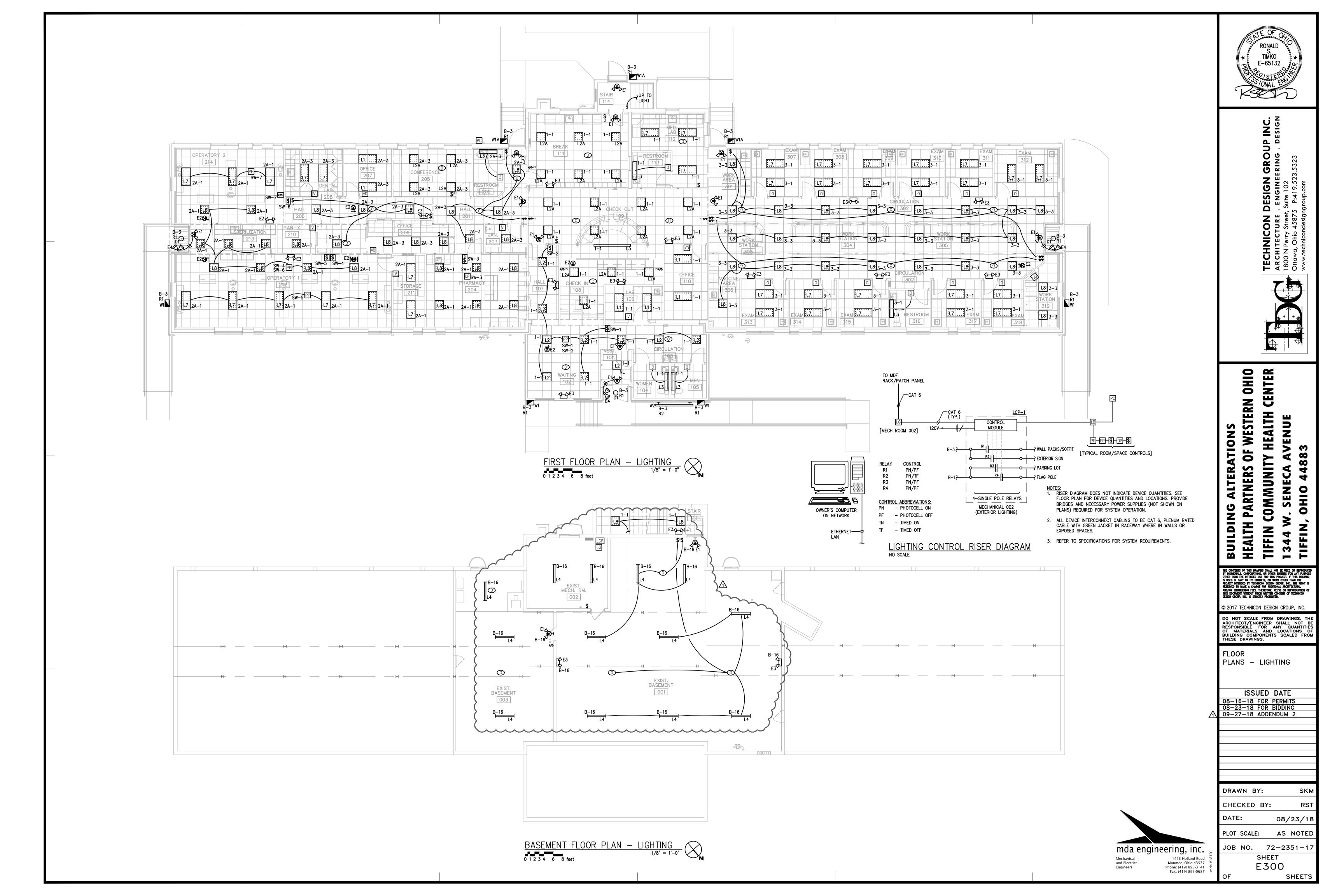
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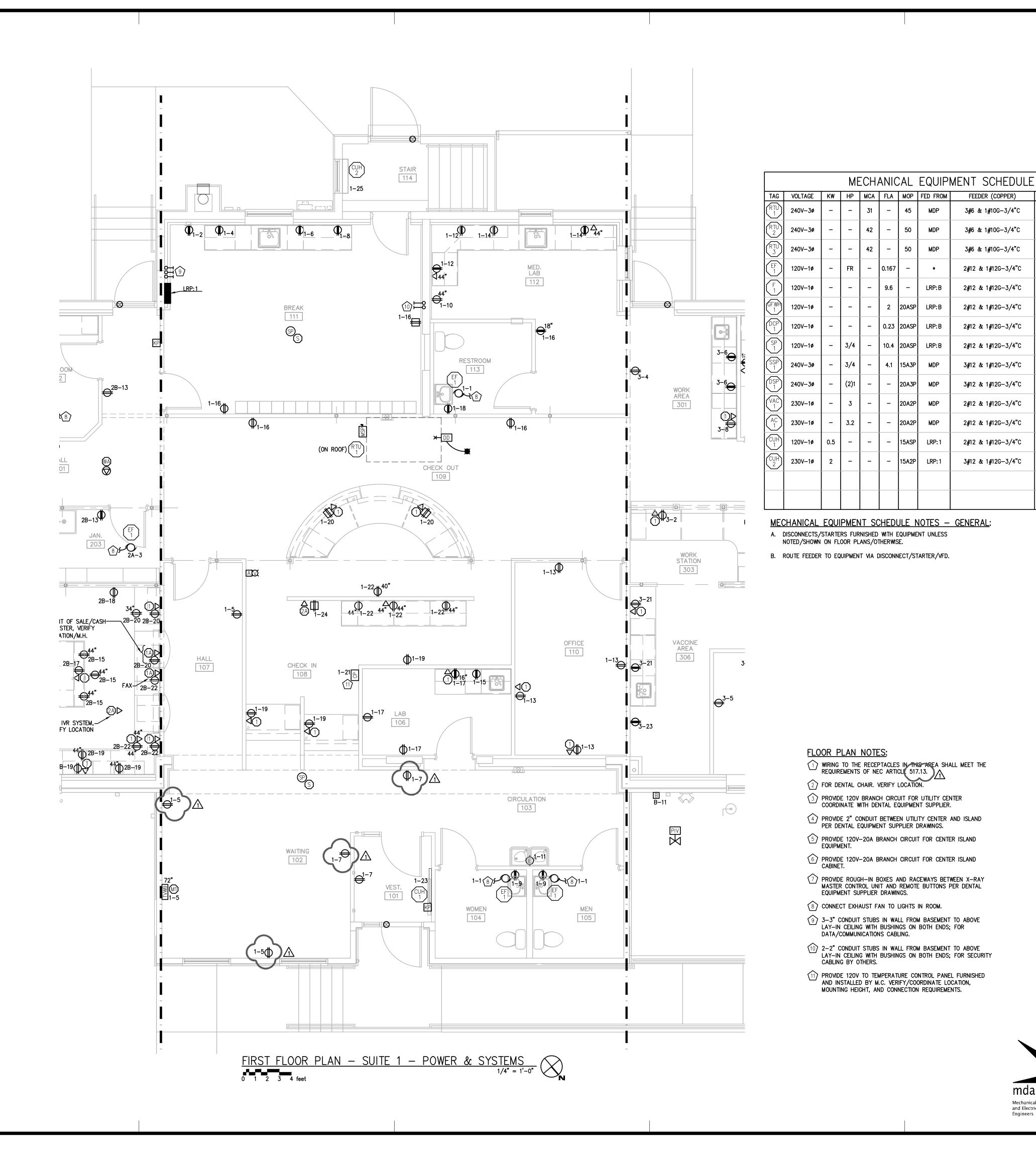
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RST CHECKED BY: DATE: 08/23/18 AS NOTED PLOT SCALE:

JOB NO. 72-2351-17 SHEET

E100 SHEETS







FEEDER (COPPER) NOTES

*REFER TO FLOOR PLAN

3#6 & 1#10G-3/4°C

3#6 & 1#10G-3/4°C

3#6 & 1#10G-3/4°C

2#12 & 1#12G-3/4"C

3#12 & 1#12G-3/4"C

3#12 & 1#12G-3/4"C

2#12 & 1#12G-3/4"C

2#12 & 1#12G-3/4"C

2#12 & 1#12G-3/4"C

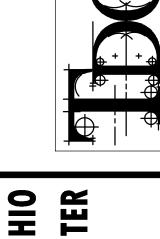
3#12 & 1#12G-3/4"C

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E. ENGINEERING. DESIGN

et, Suite 102

75 P:419.523.5323



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ENLARGED FIRST FLOOR PLAN - SUITE 1 POWER AND SYSTEMS

ISSUED DATE

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AS NOTED

mda engineering, inc. Mechanical and Electrical

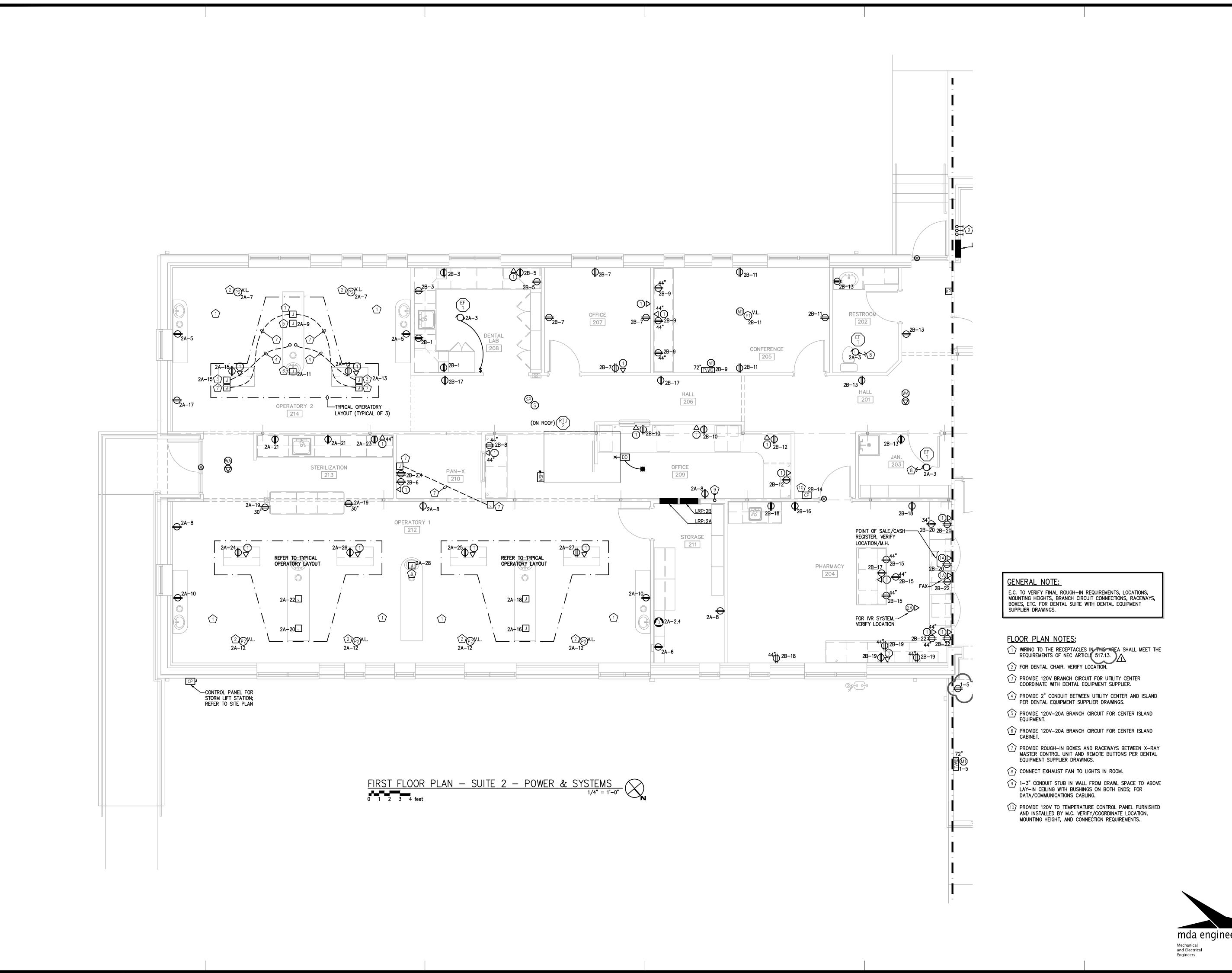
Engineers

1415 Holland Road Maumee, Ohio 43537 Phone: (419) 893-3141 Fax: (419) 893-0687

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PLOT SCALE:

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SYSTEMS ISSUED DATE

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mda engineering, inc.

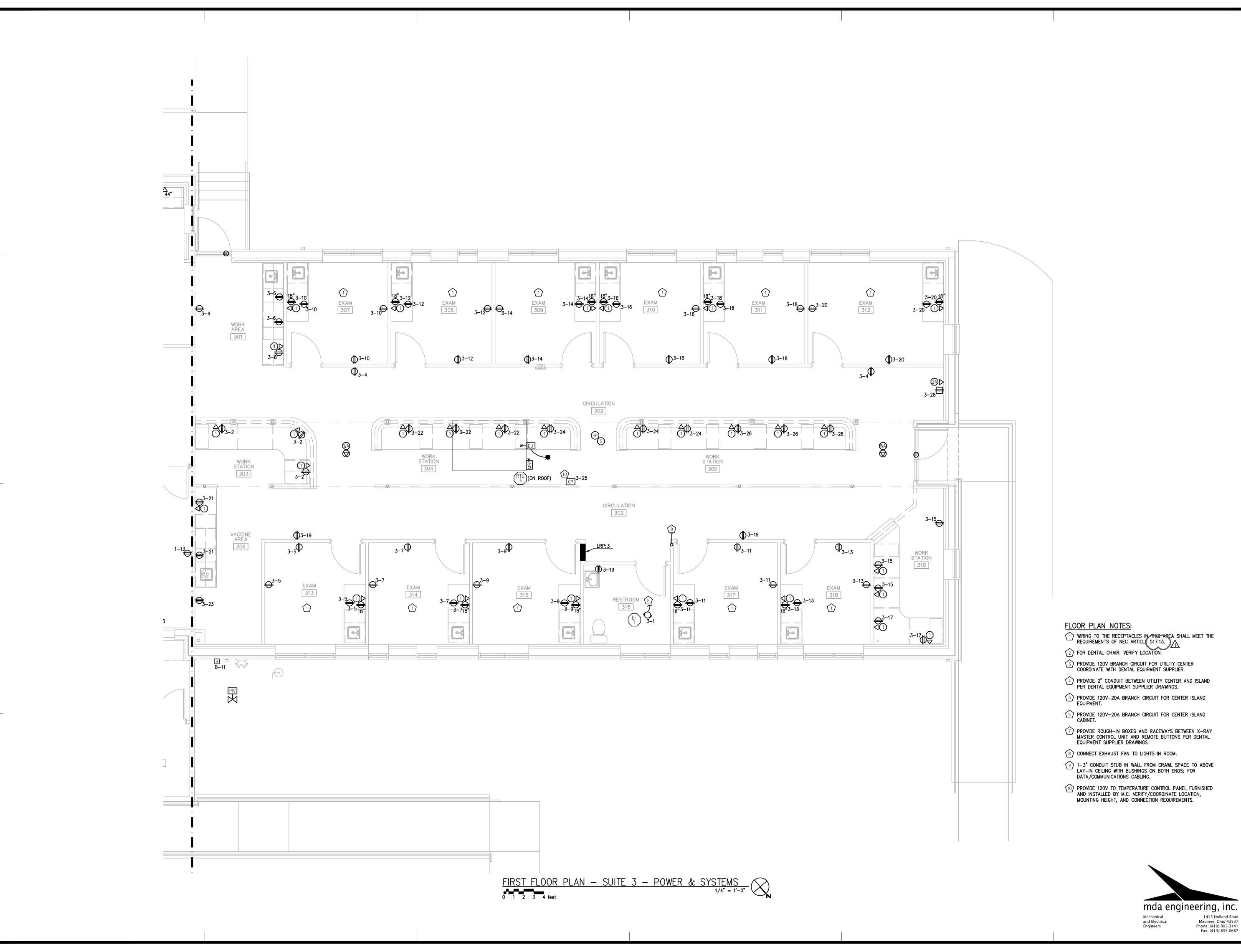
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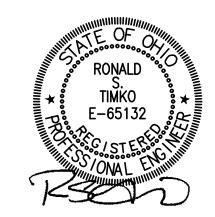
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PLOT SCALE:

E402 SHEETS

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FLOOR PLAN - SUITE 3 POWER AND SYSTEMS

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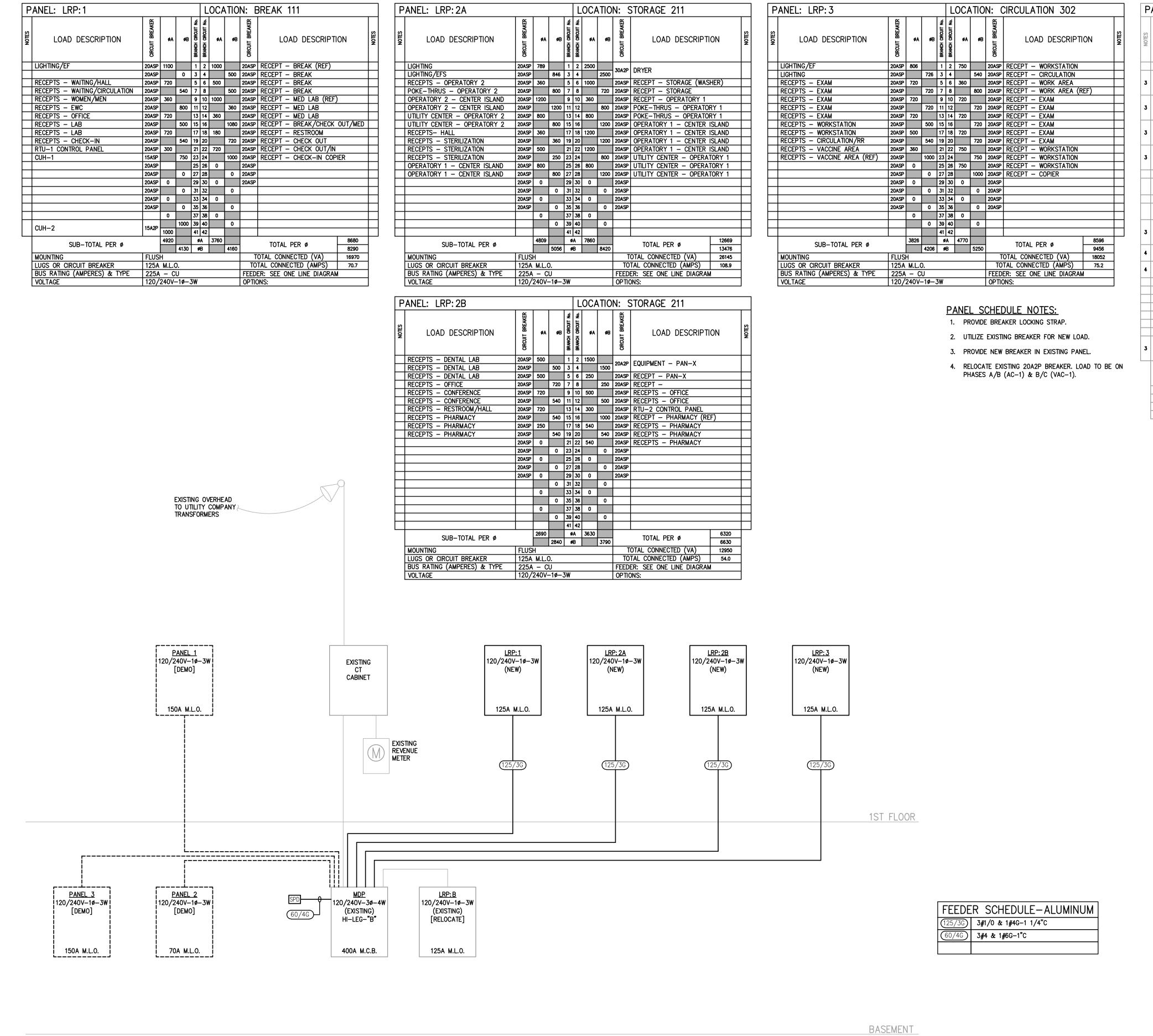
DATE: 08/23/18 PLOT SCALE: AS NOTED

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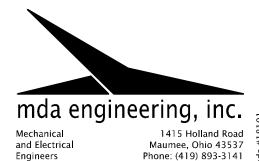


PANEL: MDP (EXISTING) LOCATION: MECH 002 LOAD DESCRIPTION LOAD DESCRIPTION 4299 8680 125A2P LRP:1 3 RTU-1 4299 5824 12669 125A2P LRP: 2A 3 RTU-2 13476 5824 3 RTU-3 6320 125A2P LRP: 2B 3 SSP-1 8596 125A2P LRP: 3 SPACE SPACE 1165 3 DSP-1 1955 4 VAC-1 20A2P 4 AC-1 2000 3 SPD SUB-TOTAL PER Ø 21636 TOTAL PER Ø 21636 61569 TOTAL CONNECTED (V/ 143626 TOTAL CONNECTED (AMPS) UGS OR CIRCUIT BREAKER 400A M.C.B BUS RATING (AMPERES) & TYPE 400A - C FEEDER: SEE ONE LINE DIAGRAM

P	ANEL: LRP:B (EXISTING)					L	OCA	OITA	N: N	MECH 002	
NOTES	LOAD DESCRIPTION	CIRCUIT BREAKER	ØA	ø8	BRANCH CIRCUIT No.	BRANCH CIRCUIT No.	ØA	øВ	CIRCUIT BREAKER	LOAD DESCRIPTION	NOTES
2	SITE LIGHTING/FLAG POLE	20ASP	500		1	2			20A2P	SPARE	\top
2	EXTERIOR BUILDING LIGHTING	20ASP		423	3	4			ZUAZP	SPARE	
2	SUMP PUMP SP-1	20ASP	1248		5	6	1000		20ASP	RECEPT - TELBOARD	- 3
2	RECEPT - BASEMENT	20ASP		540	7	8		1000	20ASP	RECEPT - TELBOARD	;
2	FURNACE F-1	20ASP	1000		9	10	1152		20ASP	BASEMENT	;
2	BELL	20ASP		300	11	12		300	20ASP	SEC	;
1,2	SSAP	20ASP	500		13	14	268		DOVED	GEWH_1/DCP_1	J
				0	15	16		325	20ASP	LIGHTING - BASEMENT	
			0		17	18	0				Y
				0	19	20		0			
			0		21	22	0				
				0	23	24		0			
SUB-TOTAL PER Ø			3248		g	Α	2420			TOTAL PER Ø 5668	\Box
	SUB-TOTAL PER Ø		1263		Q	ØB		1625		2888	
	MOUNTING		SURFACE						TOTAL CONNECTED (VA) 8556		
	LUGS OR CIRCUIT BREAKER	125A M.C.B.							TOTAL CONNECTED (AMPS) 35.7		
	BUS RATING (AMPERES) & TYPE VOLTAGE		225A - CU						FEEDE	ER: SEE ONE LINE DIAGRAM	
			120/240V-1ø-3W						OPTIC	DNS:	

120/240V-3ø-4W (HI-LEG "B")

<u>ELECTRICAL RISER DIAGRAM - 120/240V-3ø-4W (DELTA HI-LEG "B" SYST</u>EM)



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ELECTRICAL RISER DIAGRAM AND PANEL SCHEDULES

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DATE: 08/23/18 PLOT SCALE: AS NOTED

> JOB NO. 72-2351-17 SHEET

E500

SHEETS